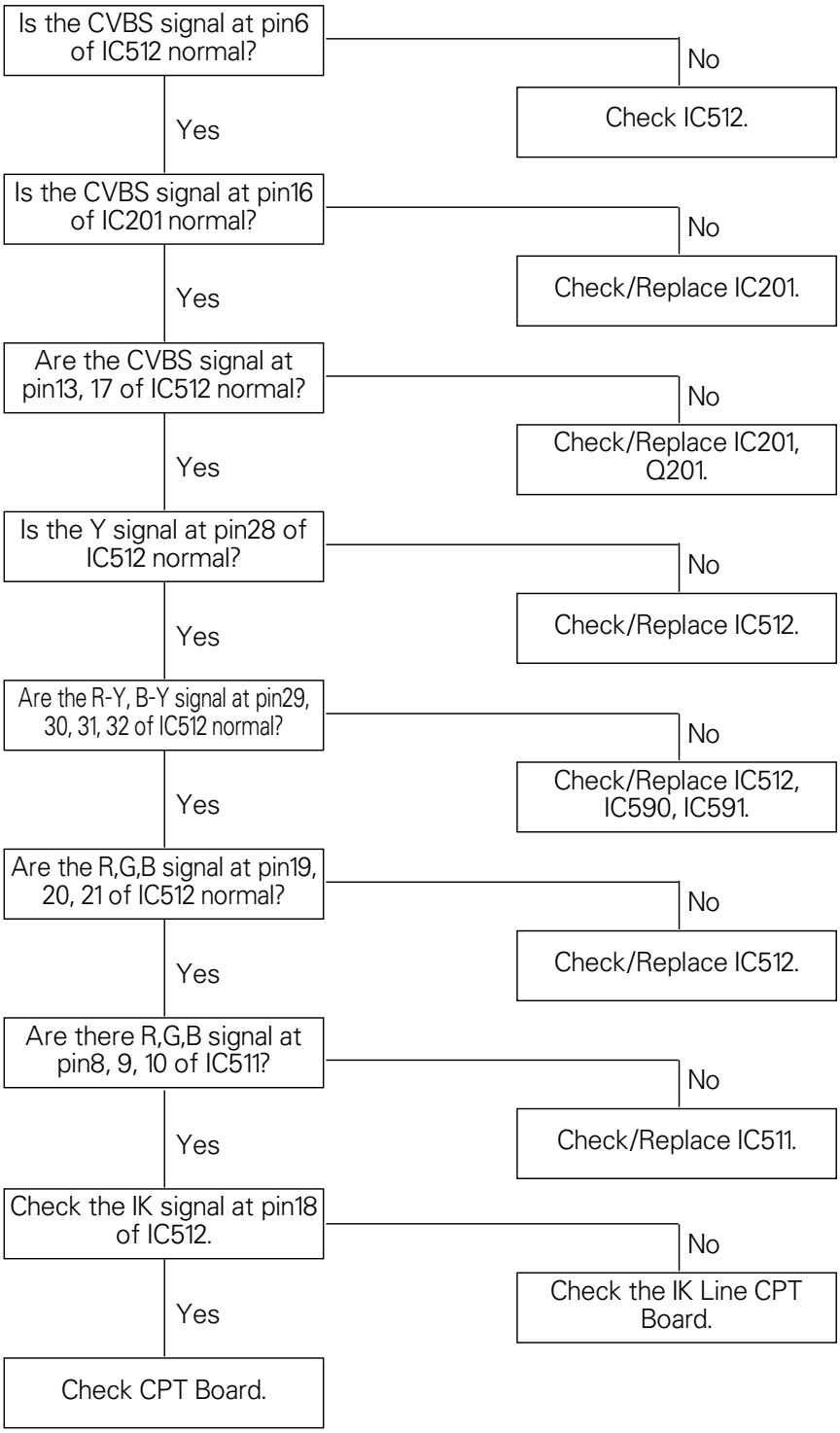
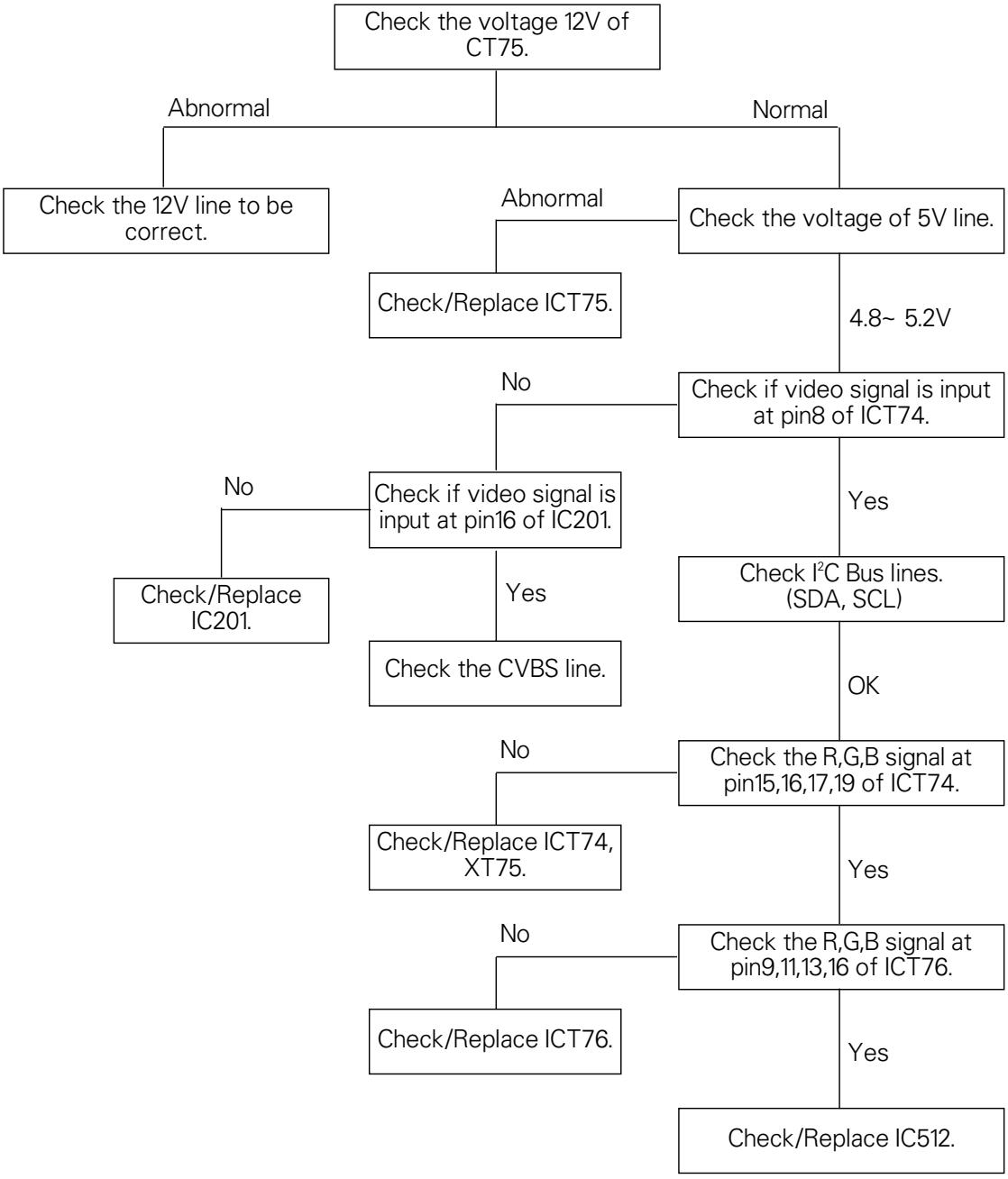
# TROUBLESHOOTING

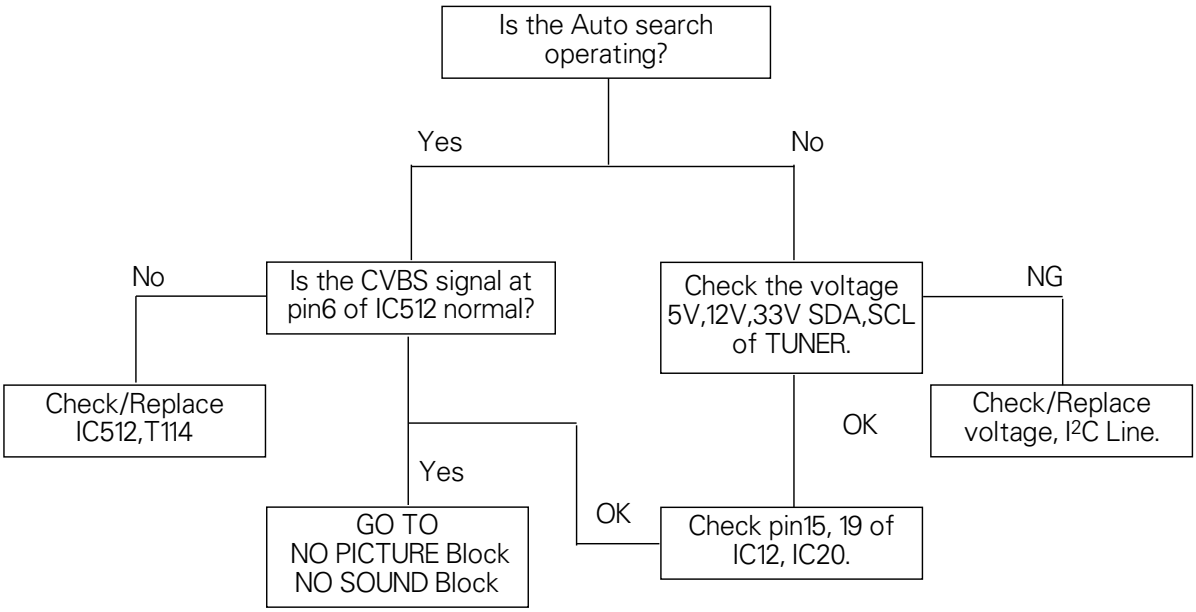
**NO PICTURE/ NO COLOR**



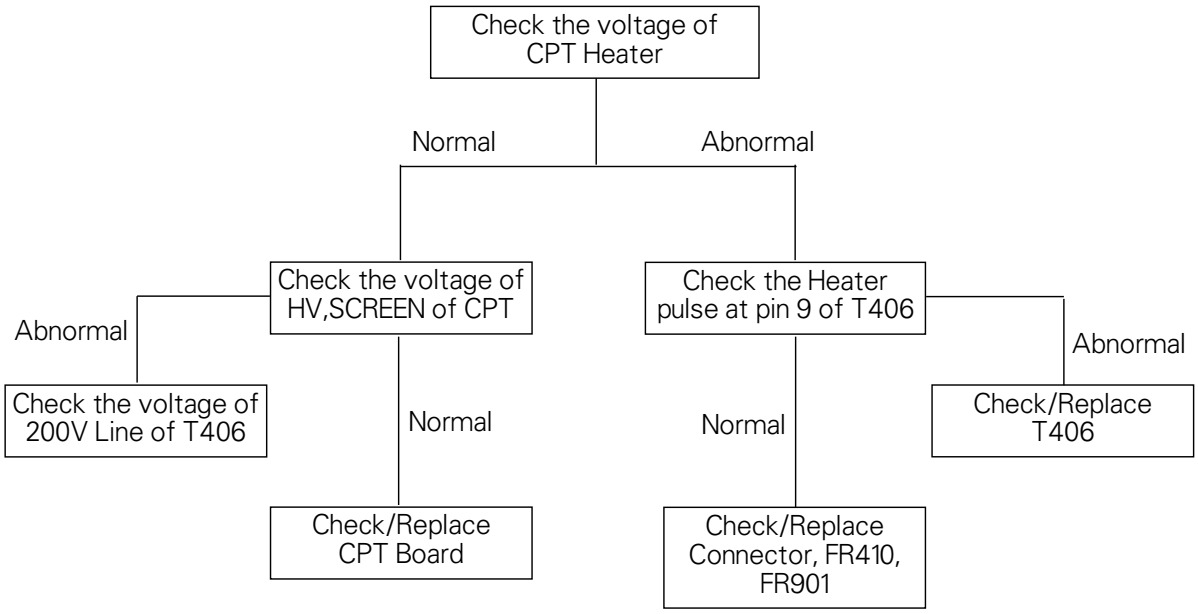
**NO TELETEXT**


Check the voltage 12V of CT75.
Abnormal
Normal
Check the 12V line to be correct.
Abnormal
Check the voltage of 5V line.
Check/Replace ICT75.
4.8~ 5.2V
No
Check if video signal is input at pin8 of ICT74.
No
Check if video signal is input at pin16 of IC201.
Yes
Check/Replace IC201.
Yes
Check I²C Bus lines. (SDA, SCL)
Check the CVBS line.
OK
No
Check the R,G,B signal at pin15,16,17,19 of ICT74.
Check/Replace ICT74, XT75.
Yes
No
Check the R,G,B signal at pin9,11,13,16 of ICT76.
Check/Replace ICT76.
Yes
Check/Replace IC512.

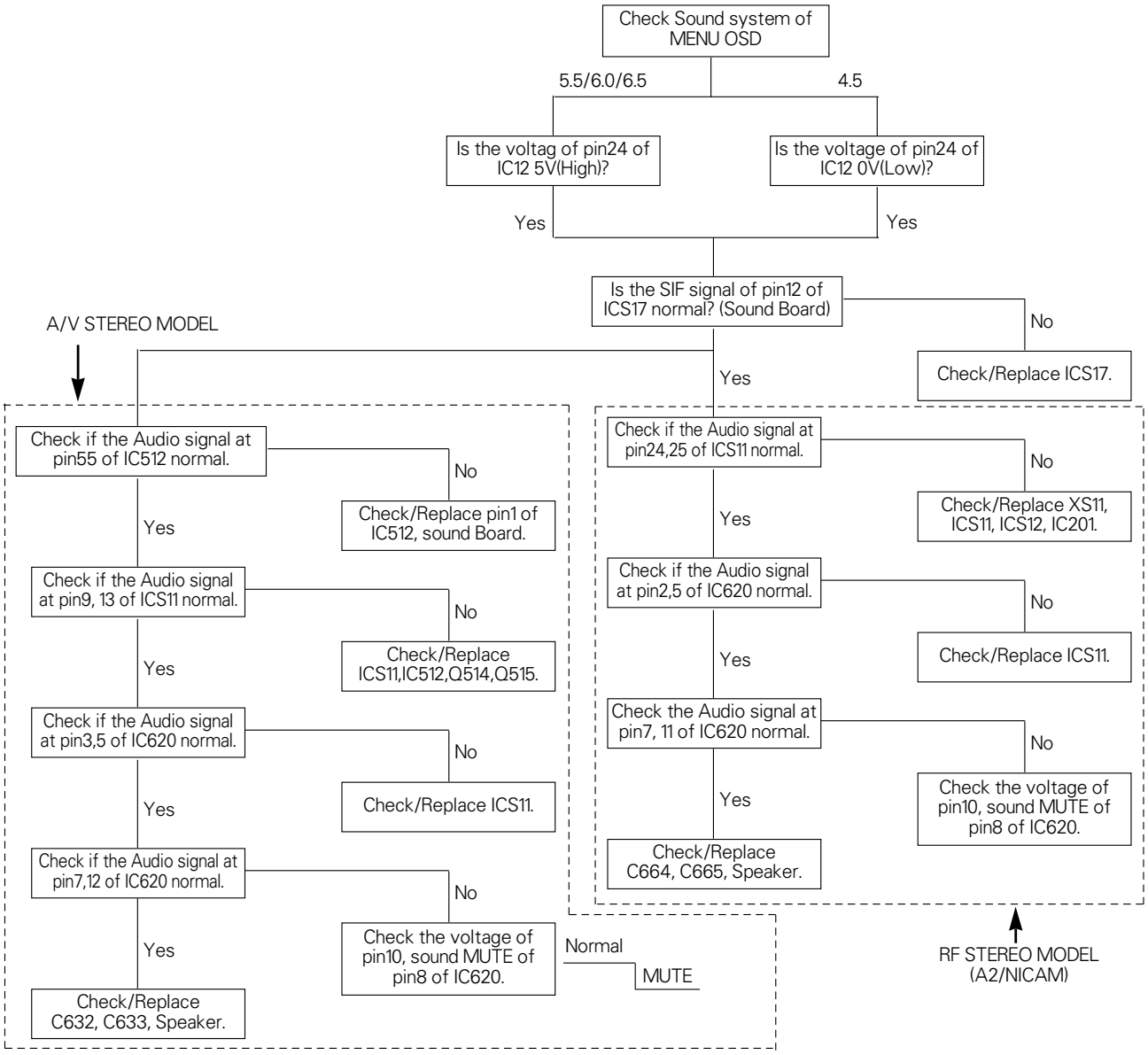
**NO PICTURE/NO SOUND (RASTER OK)**



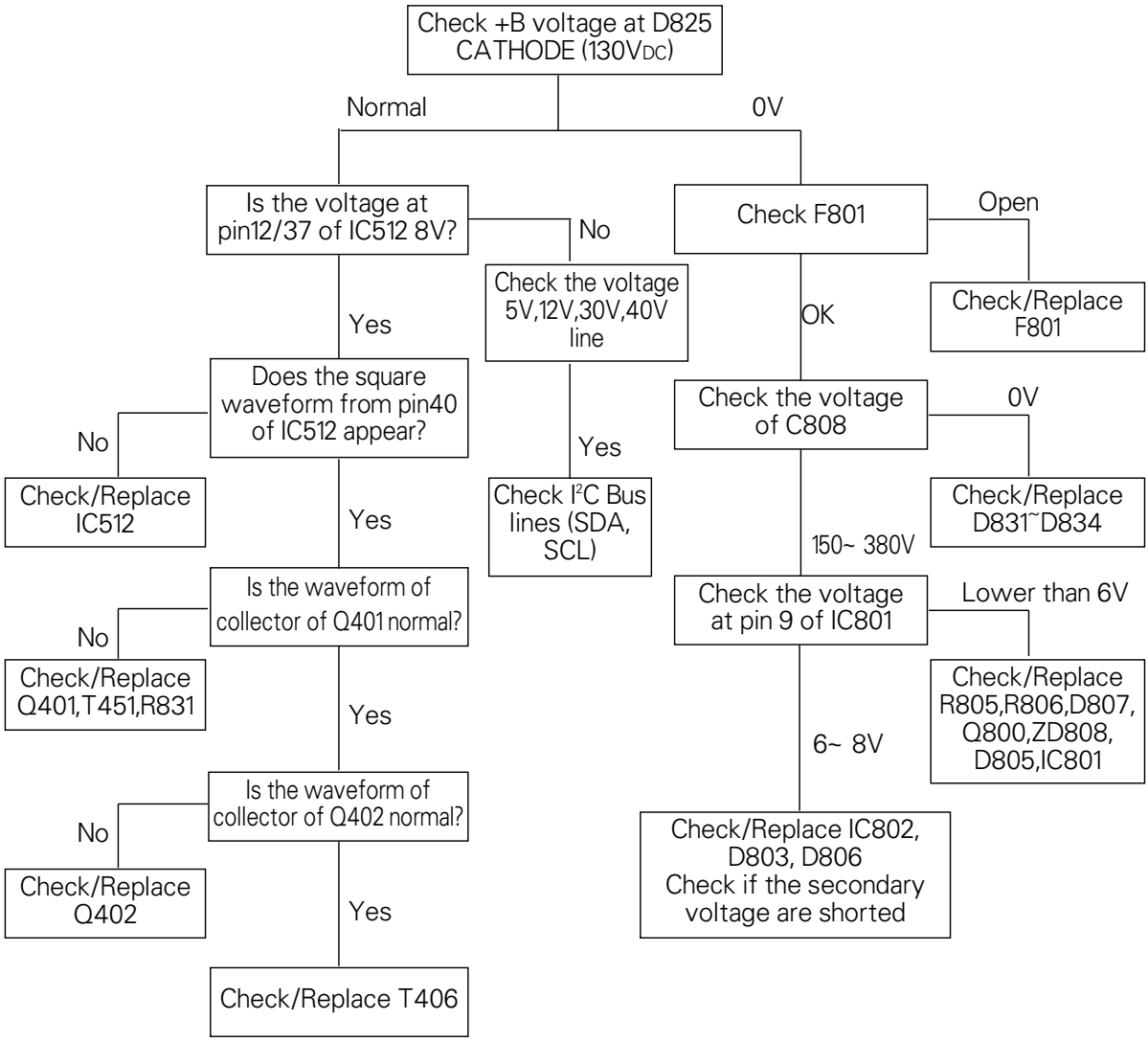
**NO RASTER (SOUND OK)**



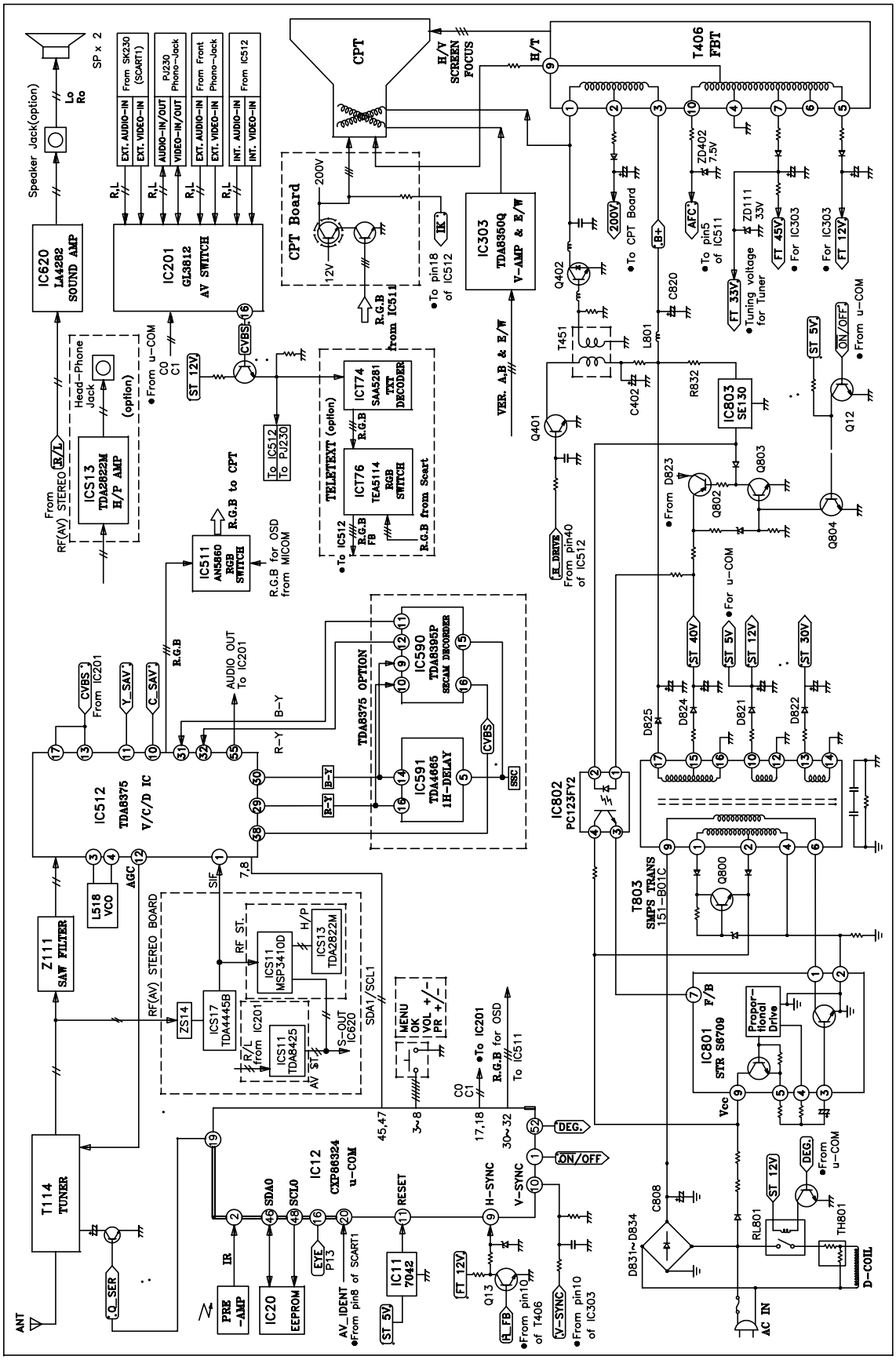
**NO SOUND**
**(PICTURE OK)**


Check Sound system of MENU OSD
5.5/6.0/6.5
4.5
Is the voltag of pin24 of IC12 5V(High)?
Is the voltage of pin24 of IC12 0V(Low)?
Yes
Yes
Is the SIF signal of pin12 of ICS17 normal? (Sound Board)
No
Check/Replace ICS17.
Yes
A/V STEREO MODEL
Check if the Audio signal at pin55 of IC512 normal.
No
Check/Replace pin1 of IC512, sound Board.
Yes
Check if the Audio signal at pin9, 13 of ICS11 normal.
No
Check/Replace ICS11,IC512,Q514,Q515.
Yes
Check if the Audio signal at pin3,5 of IC620 normal.
No
Check/Replace ICS11.
Yes
Check if the Audio signal at pin7,12 of IC620 normal.
No
Check the voltage of pin10, sound MUTE of pin8 of IC620.
Normal
MUTE
Yes
Check/Replace C632, C633, Speaker.
Check if the Audio signal at pin24,25 of ICS11 normal.
No
Check/Replace XS11, ICS11, ICS12, IC201.
Yes
Check if the Audio signal at pin2,5 of IC620 normal.
No
Check/Replace ICS11.
Yes
Check the Audio signal at pin7, 11 of IC620 normal.
No
Check the voltage of pin10, sound MUTE of pin8 of IC620.
Yes
Check/Replace C664, C665, Speaker.
RF STEREO MODEL (A2/NICAM)

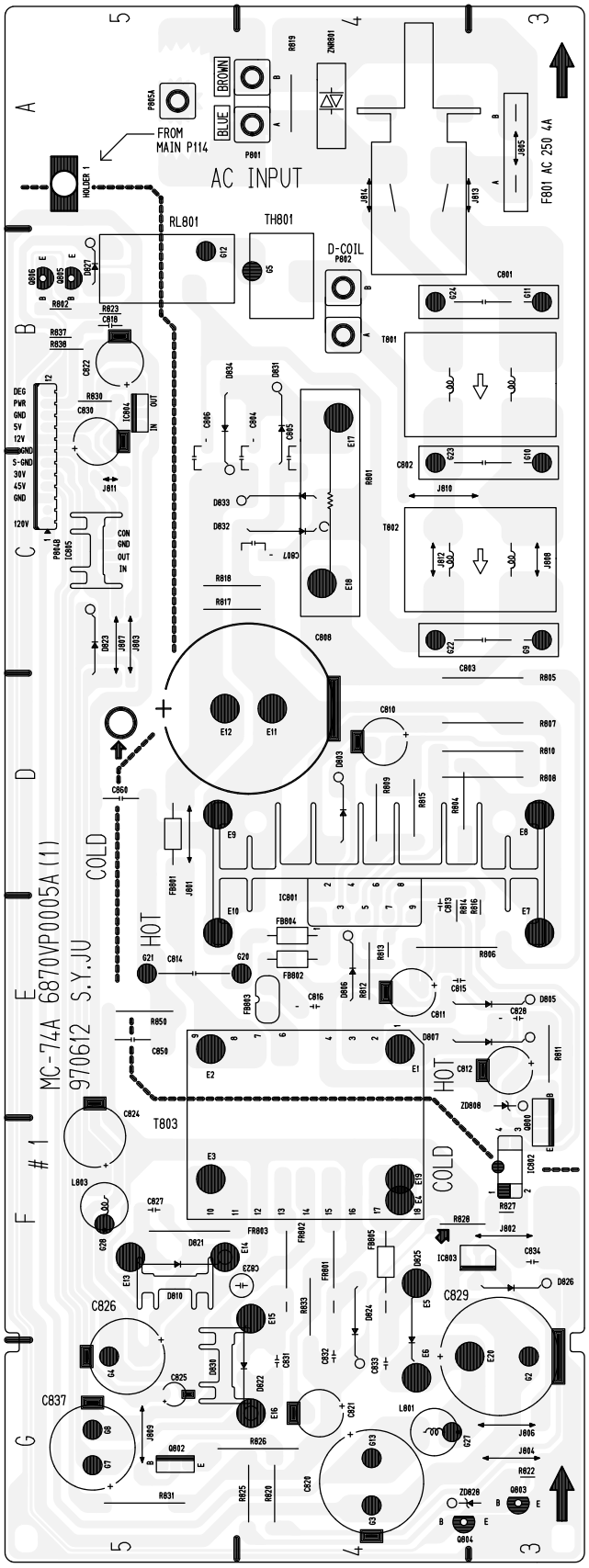
## NO RASTER


Check +B voltage at D825 CATHODE (130VDC)
Normal
0V
Is the voltage at pin12/37 of IC512 8V?
No
Check the voltage 5V,12V,30V,40V line
Yes
Check I²C Bus lines (SDA, SCL)
Yes
Does the square waveform from pin40 of IC512 appear?
No
Check/Replace IC512
Yes
Is the waveform of collector of Q401 normal?
No
Check/Replace Q401,T451,R831
Yes
Is the waveform of collector of Q402 normal?
No
Check/Replace Q402
Yes
Check/Replace T406
Check F801
Open
Check/Replace F801
OK
Check the voltage of C808
0V
Check/Replace D831~D834
150~ 380V
Check the voltage at pin 9 of IC801
Lower than 6V
Check/Replace R805,R806,D807, Q800,ZD808, D805,IC801
6~ 8V
Check/Replace IC802, D803, D806
Check if the secondary voltage are shorted

# BLOCK DIAGRAM

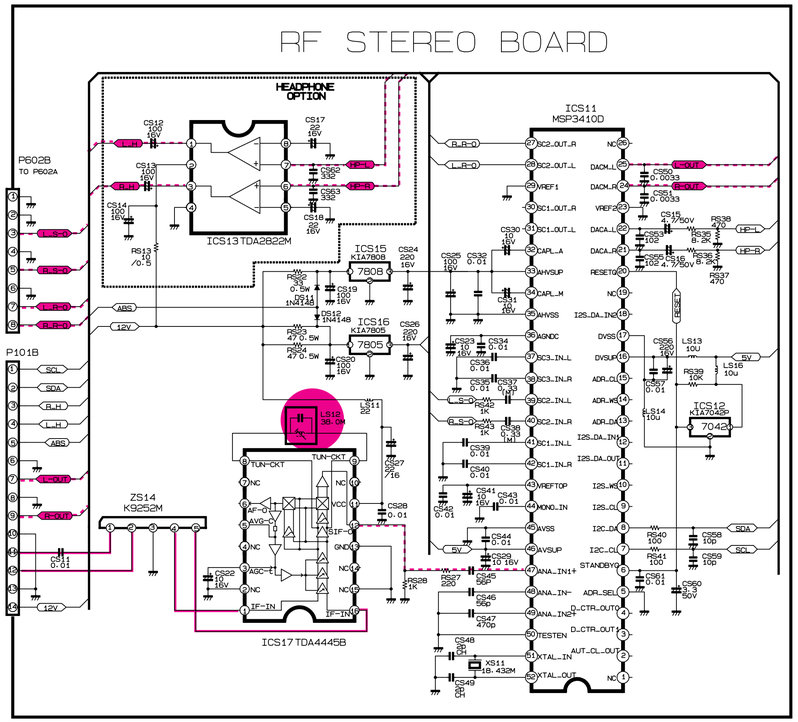


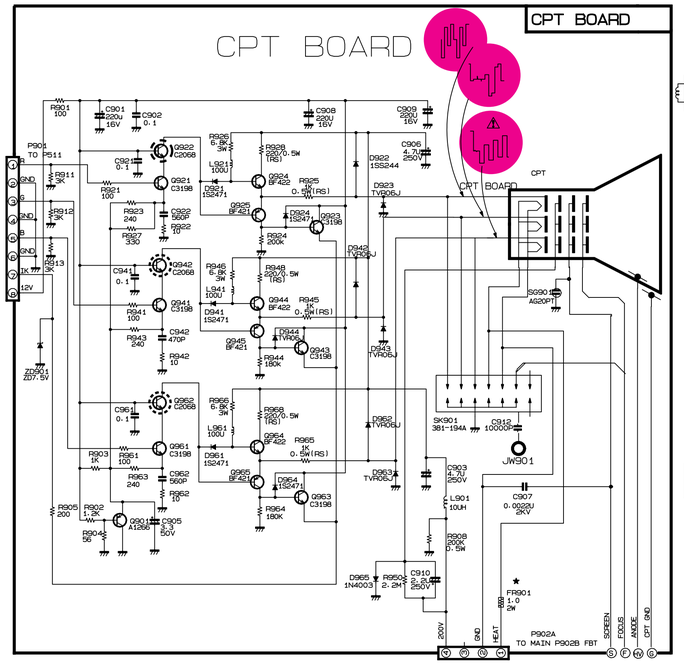
# SMPS

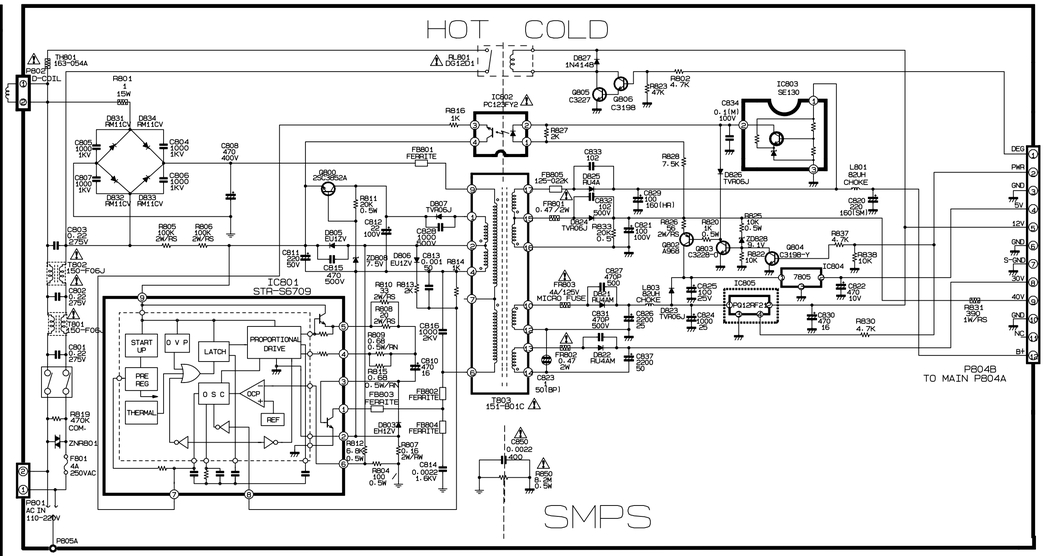

AC INPUT
FROM MAIN P114
BROWN
BLUE
F801 AC 250 4A
RL801
TH801
D-COIL
HOLDER 1
T801
T802
T803
C801
C802
C803
C806
C808
C810
C822
C824
C826
C829
C830
C837
IC801
IC802
IC803
IC804
IC805
IC806
L801
L803
Q802
Q803
Q804
ZD828
R822
R826
R831
R850
C850
C860
C814
C827
C834
D810
D826
D830
D832
D833
D834
D835
D836
D837
D838
D839
D840
D841
D842
D843
D844
D845
D846
D847
D848
D849
D850
D851
D852
D853
D854
D855
D856
D857
D858
D859
D860
D861
D862
D863
D864
D865
D866
D867
D868
D869
D870
D871

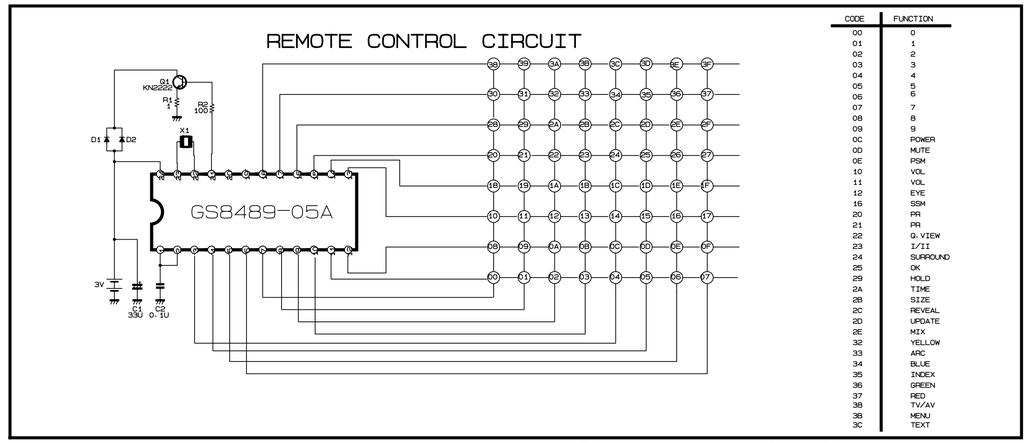
# Service Sheet of MC-74A ( 2/2)

PART NO : 3854VA0018A-S2
DATE : Nov 24 ,'97

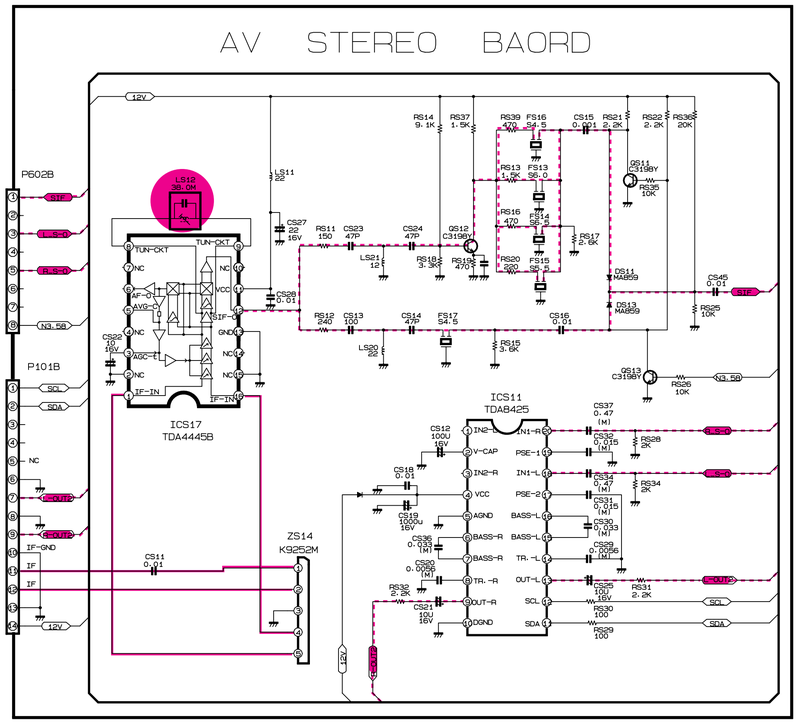


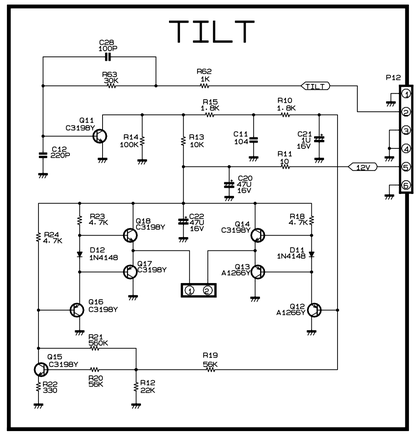



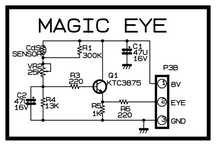



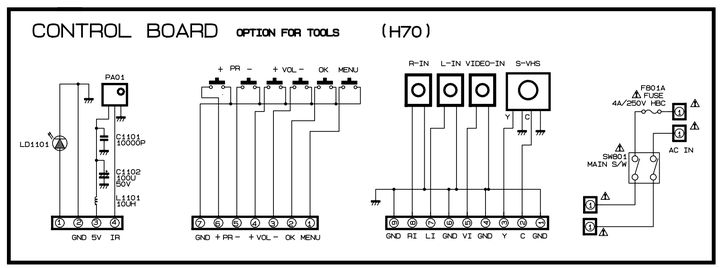




| CODE | FUNCTION |
|---|---|
| 00 | 0 |
| 01 | 1 |
| 02 | 2 |
| 03 | 3 |
| 04 | 4 |
| 05 | 5 |
| 06 | 6 |
| 07 | 7 |
| 08 | 8 |
| 09 | 9 |
| 0C | POWER |
| 0D | MUTE |
| 0E | PSM |
| 10 | VOL + |
| 11 | VOL - |
| 12 | EYE |
| 16 | SSM |
| 20 | PR + |
| 21 | PR - |
| 22 | Q.VIEW |
| 23 | I/II |
| 24 | SURROUND |
| 25 | OK |
| 29 | HOLD |
| 2A | TIME |
| 2B | SIZE |
| 2C | REVEAL |
| 2D | UPDATE |
| 2E | MIX |
| 32 | YELLOW |
| 33 | ARC |
| 34 | BLUE |
| 35 | INDEX |
| 36 | GREEN |
| 37 | RED |
| 38 | TV/AV |
| 3B | MENU |
| 3C | TEXT |




## NOTICE

Since this is basic circuit diagram. The value of components and some partial connection are subject to change for improvement without notice.

The components marked ⚠ conform to VDE or IEC guide-lines and are essential for safe operation of the TV receiver.
While those marked ⚠ are required for correct operation.
Use specified parts only when replacing.

## Value of resistor, capacitor and inductor

1. Resistances are shown in ohm. K=1,000. M=1,000,000.
2. Unless otherwise noted in schematic. All capacitor values less than 1 are expressed in mfd and the values more than 1 in pF.
3. Unless otherwise noted in schematic. all inductor values more than 1 are expressed in uH and the values less than 1 in Henry(H).

## Observation of voltages and waveforms

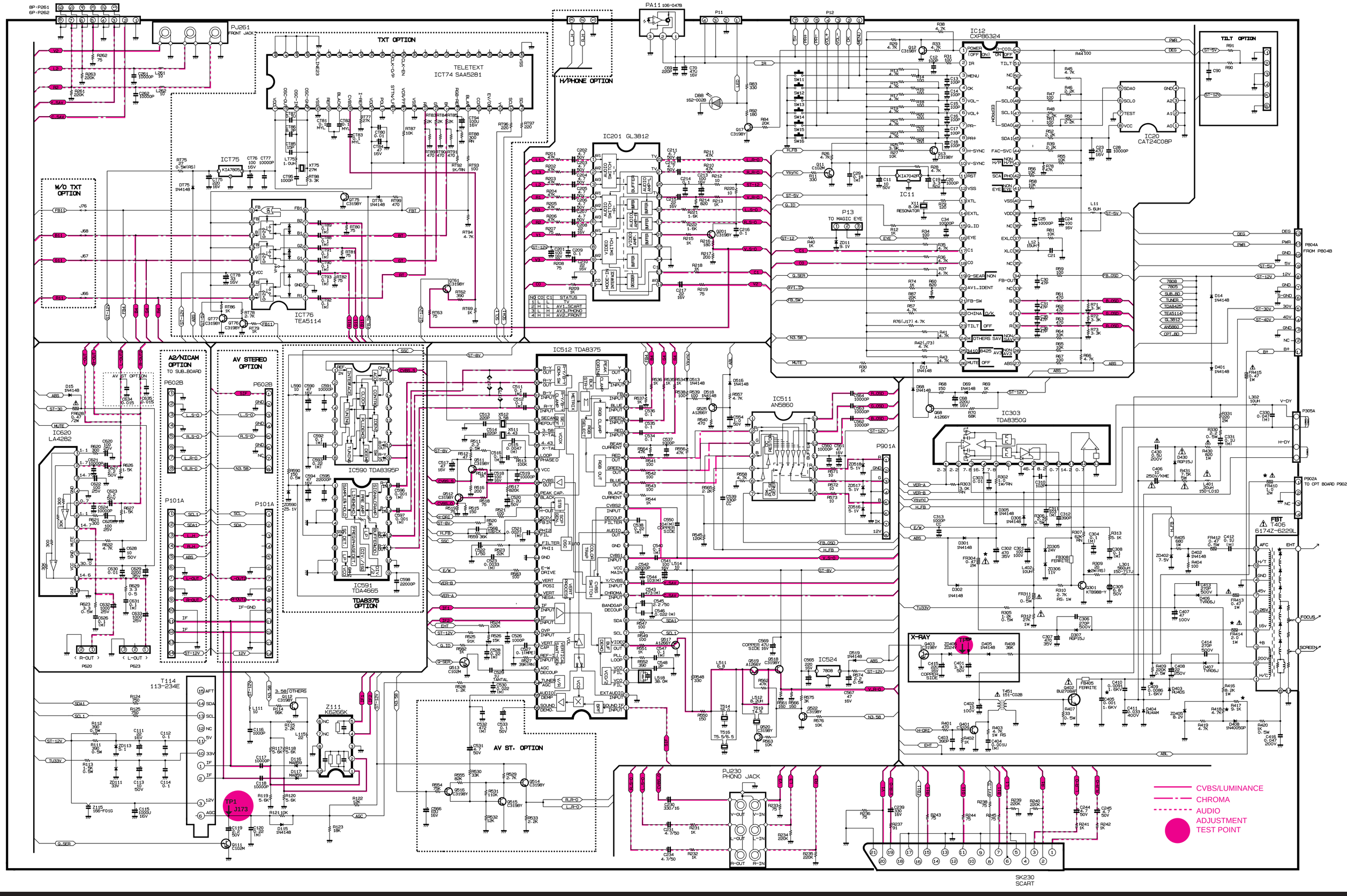
1. Voltages read with VTVM from point to chassis ground. line voltage is 230+/-20% volts. signal pattern is colour-bar.
2. The schematic shown is represetative only.
3. All waveforms are taken using a wide band oscilloscope and a low capacity probe.
4. Check FINE TUNING, AGC, CONTRAST, BRIGHTNESS and COLOUR controls for best picture. make sure that COLOUR and BRIGHTNESS are in mid-point and CONTRAST is in 75%.
5. Waveforms are taken using a standard colour signal.

## ★ INCH CONVERSION PARTS

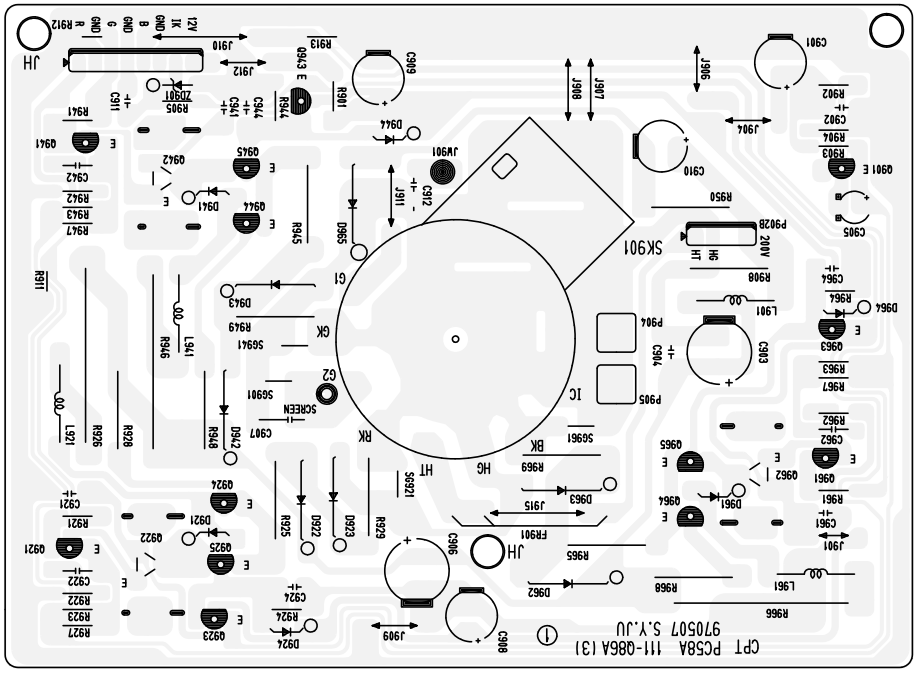
| CIR.-NO | 25INCH | 28INCH | 29INCH |
|---|---|---|---|
| | | | |
| | | | |
| | | | |

# Service Sheet of MC-74A (1/2)

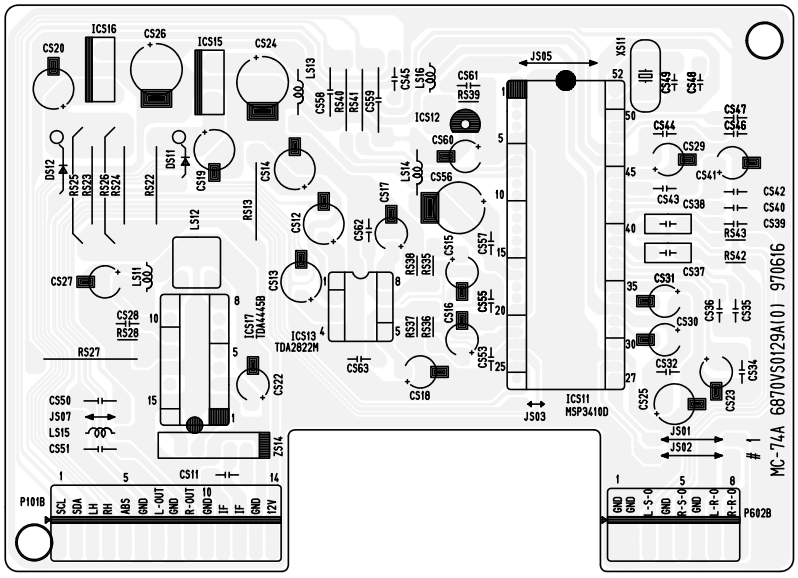
PART NO : 3854VA0018A-S1
DATE : Nov 24 ,'97



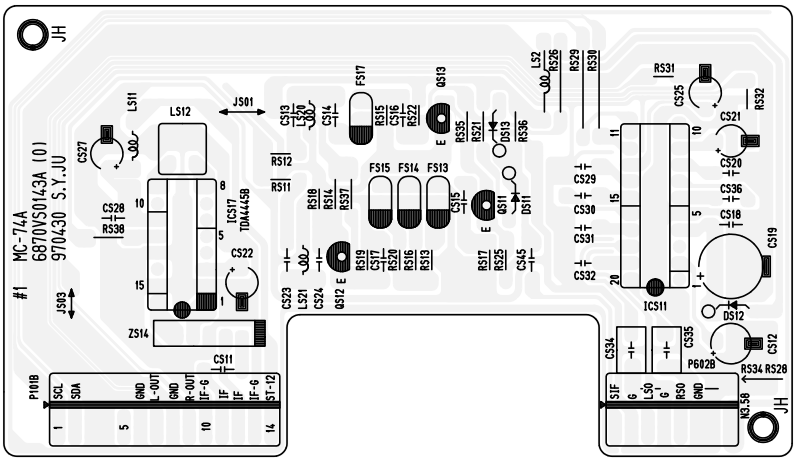
# CPT



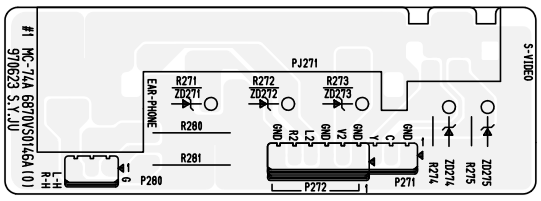
# SUB Board (RF Stereo)-OPTION



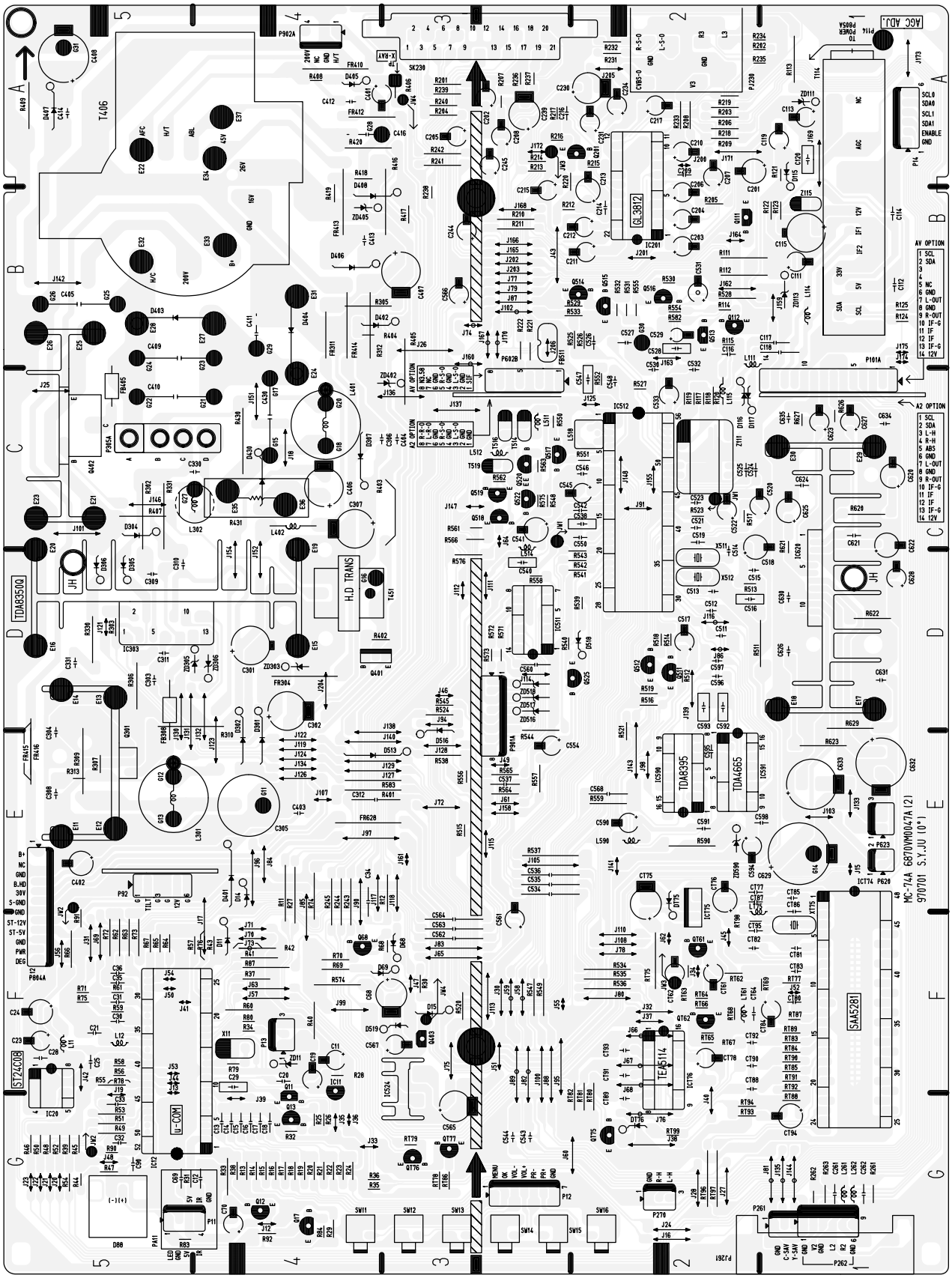
# SUB Board (A/V Stereo)-OPTION




# Front A/V Board-OPTION



# MAIN



# ADJUSTMENT INSTRUCTIONS

## ■ Safety precautions

1. It is safe to adjust after using insulating transformer between the power supply line and chassis input to prevent the risk of electric shock and protect the instrument.
2. Never disconnect leads while the TV receiver is on.
3. Don't short any portion of circuits while power is on.
4. The adjustment must be done by the correct appliances. But this is changeable in view of productivity.
5. Unless otherwise noted, set the line voltage to 100~ 270Vac, 50Hz.

## ■ Test Equipment required

1. VIF sweep generator/Alignment scope
2. Color bar/cross-hatch pattern generator
3. DC power supply
4. Digital multi-meter
5. Color analyzer
6. Oscilloscope

## 1. SIF adjustment

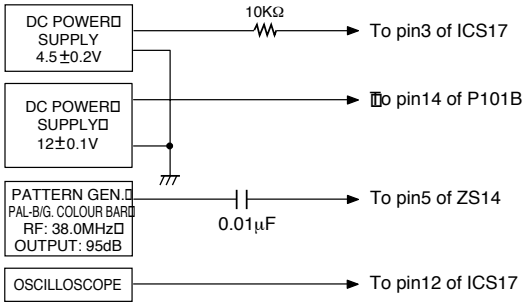



Fig.1: Connection Diagram of Equipment for SIF adjustment

| | |
|---|---|
| **Test Point** | : Pin12 of ICS17 (SUB Board) |
| **Adjust** | : LS12 (SUB Board) |

1) Connect the measuring equipment to the TV as shown in Fig.1.
2) Set RF output level of Sweep S.G (Signal Generator) to 95dBuV.
3) Set Alignment Scope, Volts/Div to 100mV, AC/DC switch to AC, Line/Ext switch to Ext.
4) Adjust SIF COIL (LS12) on SUB Board until the bottom of 38.0MHz mark is on the center line as Fig.2.

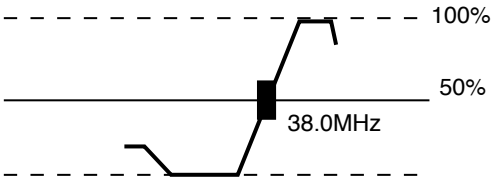



Fig.2: SIF Adjustment waveform

## 2. VCO (Voltage Controlled Oscillator) Adjustment

| | |
|---|---|
| **Test Point** | : Observing display |
| **Adjust** | : A-PLL ► (SVC-0 mode) |

1) Input the COLOR BAR pattern with RF frequency is 175.25MHz and 65dB.
2) Press the OK buttons on both of Control Board and Remote Controller at the same time to get into SVC-0 mode.
3) Press CH UP/DOWN (▲/▼) button to select A-PLL ► .
4) Press VOL +(►) button and the VCO will be adjusted automatically.
5) Press OK(■) button to memorize the adjusted data.

## 3. RF AGC (Auto Gain Control)Adjustment

| | |
|---|---|
| **Test Point:** | TP1 (J173) on Main Board |
| **Adjust:** | AGC 28 (SVC-0 mode) |

The RF AGC was aligned at the time of manufacture for optimum performance over a wide range conditions. Readjust should not be necessary unless unusual local conditions exist, such as:

1) Channel interference in a CATV system.
2) Picture bending and/or color beats, which are unusually due to excessive RF signal input when the receiver is too close to a transmitting tower or when the receiver is connected to an antenna distribution system where the RF signal has been amplified.
   In this case, the input signal should be attenuated (with pad or filter) to a satisfactory level.
3) Picture noise is caused by "broadcast noise" or weak signal. If the broadcast is "clean" and the RF signal is at least 1mV (60dBuV), the picture will be noise free in any area.

Adjusting the RF AGC to one end will usually cause a relatively poor signal to noise ratio;
Adjusting to the other end will usually cause a degradation of over load capabilities resulting in color beats or adjacent channel reference.
For best results, adjust the while performing on all over local channels, or the voltage at J173(Main Board) will be 5.8±0.1Vdc in RF level 65±1dBuV.

1) Input the COLOR BAR pattern of PAL-B/G 65dB.
2) Connect the Multimeter to AGC test point TP1 (J173).
3) Press the OK buttons on both of Control Board and Remote Controller at the same time to get into SVC-0 mode.
4) Press CH UP/DOWN (▲/▼) button to select AGC 28 .
5) Press VOL UP/DOWN (◄ / ►) button until the voltage of TP1 (J173) is 5.8±0.1Vdc.
6) Press OK(■) button to memorize the adjusted data.

## 4. Vertical/Horizontal/E-W(East-West) Adjustment

**NOTE:** These adjustments are already aligned at the time of manufacture for optimum performance. Readjust of them should not be necessary unless IC2(EEPROM) is defective. Because all the information of these adjustment are memorized in that IC.

1) Tune the TV set to receive a digital pattern unless otherwise noted.
2) Press the OK buttons on both of Control Board and Remote Controller at the same time.
3) Press the yellow button on the Remote Controller to select SVC-1 mode.
4) Press CH UP/DOWN (▲/▼) button for desirous function adjustment.
5) Press VOL UP/DOWN (◄/►) button for correct picture.
6) Press OK(■) button to memorize the adjusted data.

### Adjustment

**HS (Horizontal Shift)**
Adjust so that vertical center line of the digital pattern is in accord with geometric vertical center of the picture tube.

**VS (Vertical Shift)**
Adjust so that the horizontal center line of digital circle pattern is in accord with geometric horizontal center of the picture tube.

**VL (Vertical Linearity)**
Adjust so that the boundary line between upper and lower half is in accord with vertical blanking line.

**VA (Vertical Height)**
Adjust inside of the circle at top and bottom display.

**EW (East-West Width)**
Adjust so that digital circle pattern looks like exact circle.

**EP (East-west Parabolar)**
Adjust so that middle portion of the outermost left and right vertical parallel with vertical lines of the picture tube.

**EC (East-west Coner)**
Adjust so that the vertical line at every 4 corners of the screen looks like parallel with the vertical lines of the picture tube.

**ET (East-west Trapezium)**
Adjust to make the length of top horizontal line same with it of the bottom horizontal line.

**SC (Vertical "S" Correction)**
Adjust so that all distance between each horizontal lines are to be the same.

## 5. Hold Down Check

Apply 5Vdc to X-RAY TP and check if TV set is turned off (ST-BY).

## 6. Focus Adjustment

**NOTE :** This adjustment should be performed after warming up for 10 minutes.

| | |
|---|---|
| **Test Point** | : Observe display |
| **Adjust** | : Focus control of FBT |

1) Tune the TV set to receive a Color Bar pattern.
2) Adjust Focus control of FBT for the best overall focus on the middle-left of the screen.

## 7. Screen Voltage Adjustment

| | |
|---|---|
| **Test Point** | : RK (Red Cathod of CPT Board) |
| **Adjust** | : Screen Control of FBT |

1) Tune the TV set to receive a Color Bar pattern.
2) Press the PSM button on the remote controller to set Standard mode(Standard mode: contrast-100%, brightness, color and sharpness-50%, tint-center)
3) Connect the probe of oscilloscope to the Rk (Red Cathod of CPT Board).
4) Adjust Screen Volume of FBT so that the waveform is the same as below Fig.3.

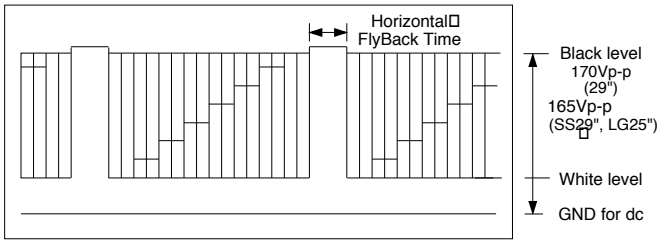
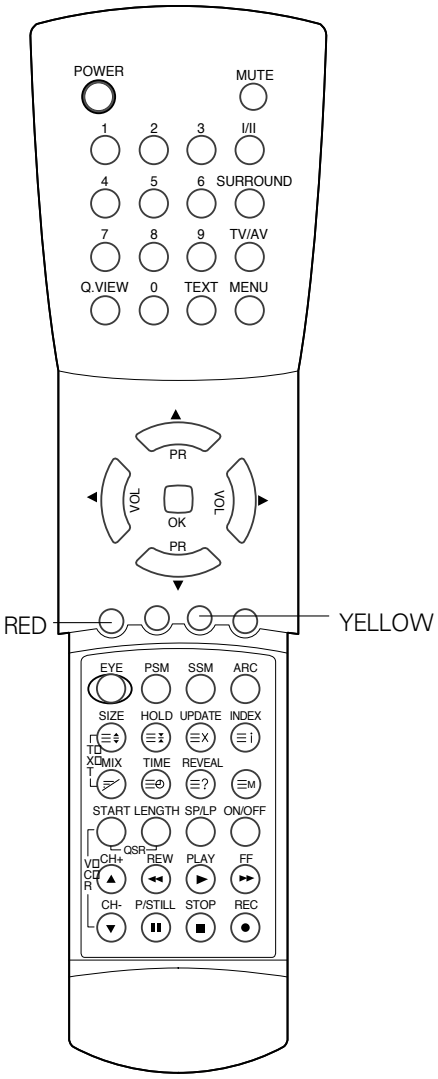



Fig. 3: The waveform at RK(Red Cathod) on CPT Board

## 8. White Balance (W/B) Adjustment

**NOTE :** This adjustment should be preformed after screen voltage adjustment.

1) Tune the TV set to receive white pattern of PAL standard signal.
2) Adjust contrast, brightness for 45±1 ft-L at the center area of screen.
3) Press the OK buttons on both of Control Board and Remote Controller at the same time.
4) Press the yellow button on the Remote Controller twice to select SVC-2 mode.
5) Press PR+ or PR- button for desirous function adjustment.
6) Adjust VOL+ or VOL- button for G Gain is 31.
7) Adjust VOL+ or VOL- button in each status of "R Gain-30"/"B Gain-28" for X=281±8, Y=288±8 with color analyzer.

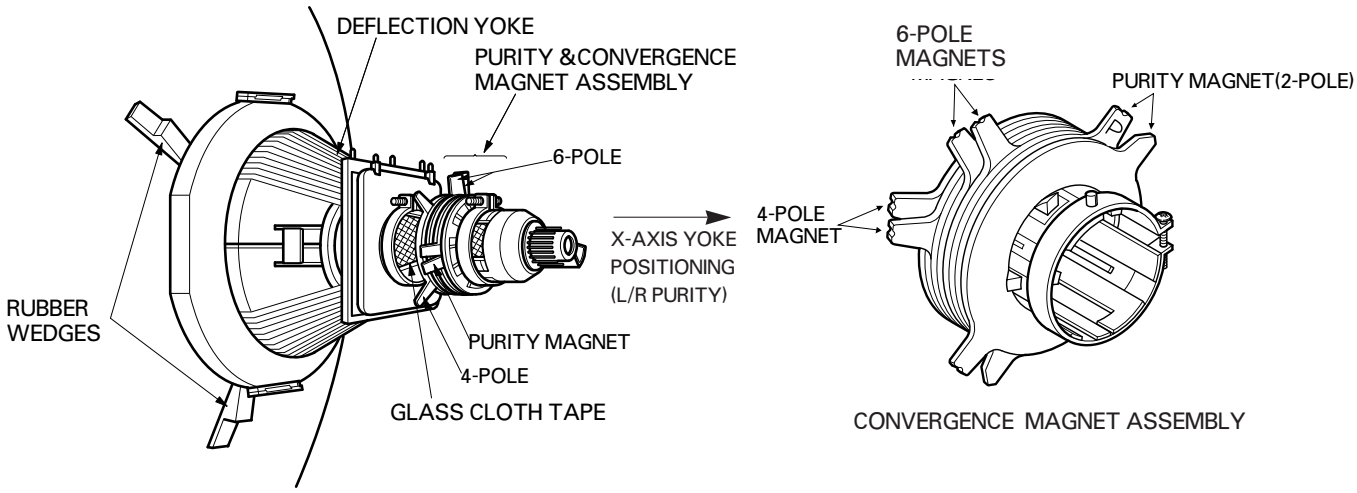

POWER
MUTE
1
2
3
I/II
4
5
6
SURROUND
7
8
9
TV/AV
Q.VIEW
0
TEXT
MENU
PR
VOL
OK
VOL
PR
RED
YELLOW
EYE
PSM
SSM
ARC
SIZE
HOLD
UPDATE
INDEX
MIX
TIME
REVEAL
START
LENGTH
SP/LP
ON/OFF
QSR
CH+
REW
PLAY
FF
CH-
P/STILL
STOP
REC

# PURITY & CONVERGENCE ADJUSTMENT

**Caution:**
Convergence and Purity have been factory aligned. Do not attempt to tamper with these alignments.
However, the effects of adjacent receiver components, or replacement of picture tube or deflection yoke may require the need to readjust purity any convergence.

5. Reconnect the internal degaussing coil.

6. Position the beam bender locking rings at the 9 o'clock position and the other three pairs of tabs (2,4 and 6 pole magnets) at the 12 o'clock position.




## ¡ Purity Adjustment

This procedure DOES NOT apply to bonded yoke and picture tube assemblies.
The instrument should be at room temperature (60 degrees F or above) for six (6) hours and be operating at low beam current (dark background) for approximately 20 to 30 minutes before performing purity adjustments.

CAUTION: Do not remove any trim magnets that may be attached to the bell of the picture tube.

1. Remove the AC power and disconnect the internal degaussing coil.

2. Remove the yoke from the neck of the picture tube.

3. If the yoke has the tape version beam bender, remove it and replace it with a adjustable type beam bender (follow the instructions provided with the new beam bender)

4. Replace the yoke on the picture tube neck, temporarily remove the three (3) rubber wedges from the bell of the picture tube and then slide the yoke completely forward.

7. Perform the following steps, in the order given, to prepare the receiver for the purity adjustment procedure.

   a. Face the receiver in the "magnetic north" direction.

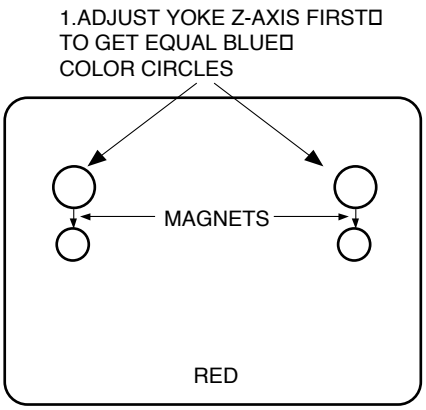
   b. Externally degauss the receiver screen with the television power turned off.

   c. Turn the television on for approximately 10 seconds to perform internal degaussing and then turn the TV off.

   d. Unplug the internal degaussing coil. This allows the thermistor to cool down while you are performing the purity adjustment. DO NOT MOVE THE RECEIVER FROM ITS "MAGNETIC NORTH" POSITION.

   e. Turn the receiver on and obtain a red raster by increasing the red bias control (CW) and decreasing the bias controls for the remaining two colors (CCW).

   f. Attach two round magnets on the picture tube screen at 3 o'clock and 9 o'clock positions, approximately one (1) inch from the edge of the mask (use double-sided tape).




8. Referring to above, perform the following two steps:
   a. Adjust the yoke Z-axis to obtain equal blue circles.
   b. Adjust the appropriate beam bender tabs to obtain correct purity (four equal circles).

9. After correct purity is set, tighten the yoke clamp screw and remove the two screen magnets.

10. Remove the AC power and rotate the receiver 180 degrees (facing "magnetic south").

11. Reconnect the internal degaussing coil.

12. Turn the receiver on for 10 seconds (make sure the receiver came on) to perform internal degaussing, and then turn the receiver off.

13. Unplug the internal degaussing coil.

14. Turn on the receiver and check the purity by holding one (1) round magnet at the 3 o'clock and a second round magnet at 9 o'clock position. If purity is not satisfactory, repeat steps 8 through 14.

15. Turn off the receiver and reconnect the internal degaussing coil.

## ■ Convergence Adjustment

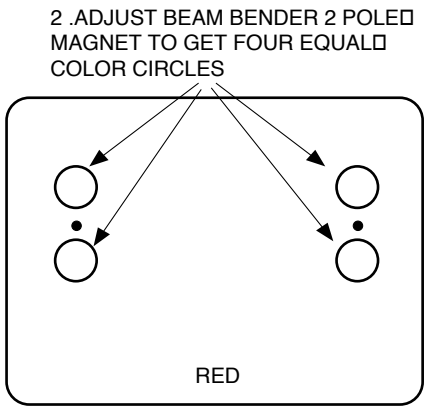
**Caution:** This procedure DOES NOT apply to bonded yoke and picture tube assemblies.
Do not use screen magnets during this adjustment procedure. Use of screen magnets will cause an incorrect display.

1. Remove AC power and disconnect the internal degaussing coil.

2. Apply AC Power and set the brightness to the Picture Reset condition. Set the Color control to minimum.

3. Apply 8V to the pin42 of IC501.

4. Adjust the Red, Green and Blue Bias controls to get a dim white line.




5. Remove the AC power and 8V from the pin42 of IC501.

6. Reconnect the internal degaussing coil and apply AC power.

7. Turn the receiver on for 10 seconds to perform internal degaussing and then turn the receiver off again.

8. Unplug the internal degaussing-coil.

9. Turn on the receiver, connect a signal generator to the VHF antenna terminal and apply a crosshatch signal.

**Caution:** During the convergence adjustment procedure, be very careful not to disturb the purity adjustment tabs are accidentally move, purity should be confirmed before proceeding with the convergence adjustments.

**Note:** Make sure the focus is set correctly on this instrument before proceeding with the following adjustment.

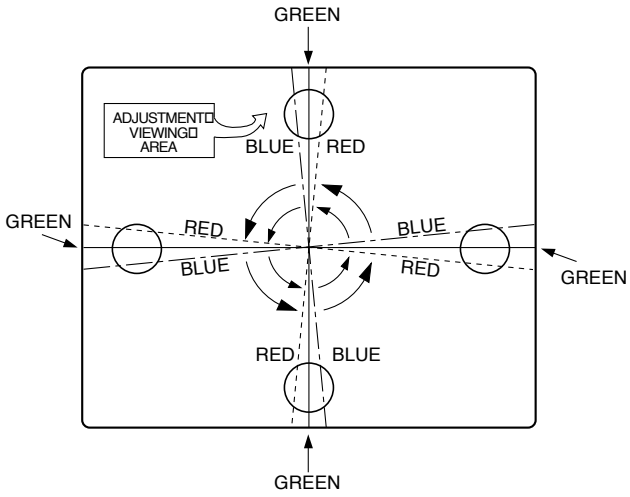
10. Converge the red and blue vertical lines to the green vertical line at the center of the screen by performing the following steps (below TABLE).
    a. Carefully rotate both tabs of the 4-pole ring magnet simultaneously in opposite directions from the 12 o'clock position to converge the red and blue vertical lines.
    b. Carefully rotate both tabs of the 6-pole ring magnet simultaneously in opposite directions form the 12 o'clock position to converge the red and blue (now purple) vertical lines with the green vertical line.

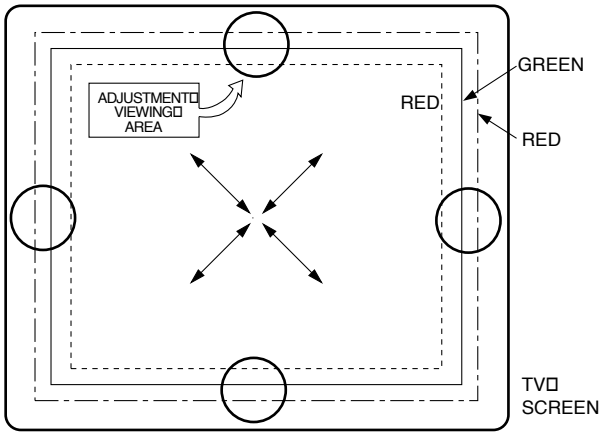
11. Converge the red and blue horizontal with the green line at the center of the screen by performing the following steps. (below TABLE)
    a. Carefully rotate both tabs of the 4-pole ring magnet simultaneously in the same direction (keep the spacing between the two tabs the same) to converge the red and blue horizontal lines.
    b. Carefully rotate both tabs of the 6-pole ring magnet simultaneously in same direction (keep the spacing between the two tabs the same) to converge the red and blue (now purple) horizontal lines with the green horizontal line.
    c. Secure the tabs previsouly adjusted by locking them in place with the locking tabs on the beam bender.

| RING PAIRS | ROTATION DIRECTION OF BOTH TABS | MOVEMENT OF RED AND BLUE BEAMS |
|---|---|---|
| 4 POLE | OPPOSITE | B R OR B R |
| | SAME | B R OR B R |
| 6 POLE | OPPOSITE | B R OR B R |
| | SAME | B R OR B R |

UP/DOWN ROCKING OF THE YOKE CAUSES OPPOSITE ROTATION OF RED AND BLUE RASTERS

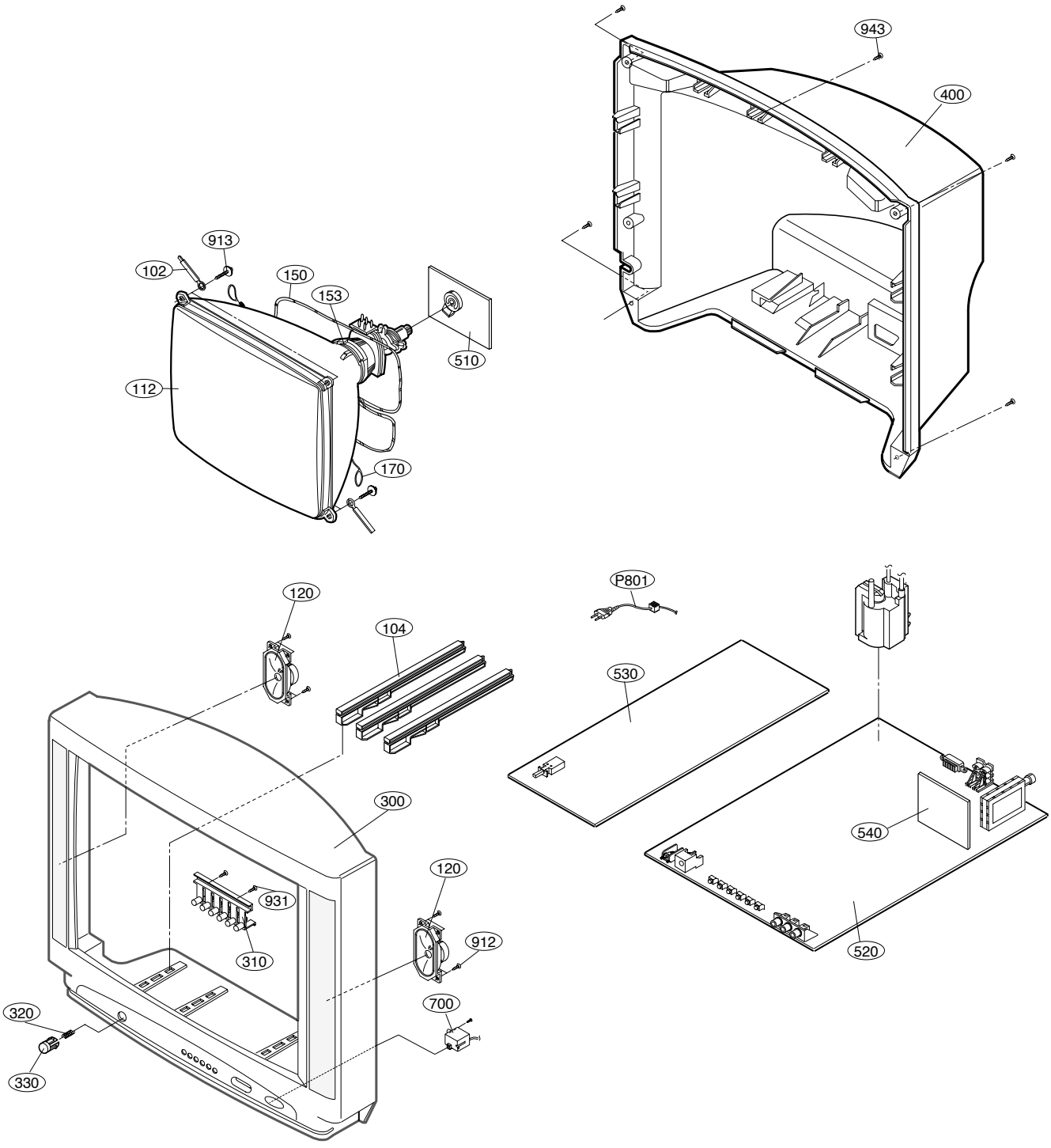
LEFT/RIGHT ROCKING OF THE YOKE CAUSES OPPOSITE SIZE CHANGE OF THE RED AND BLUE RASTERS




12. While watching the 6 o'clock positions on the screen, rock the front of the yoke in a vertical (up/down) direction to converge the red and blue vertical lines. (Fig upper left)
13. Temporarily place a rubber wedge at the 12 o'clock position to hold the vertical position or the yoke.
14. Check the 3 o'clock and 9 o'clock areas to confirm that the red and blue horizontal lines are converged.
    If the lines are not converged, slightly offset the vertical tilt of the yoke (move the rubber wedge if necessary) to equally balance the convergence error of the horizontal lines at 3 o'clock and 9 o'clock and the vertical lines at 6 o'clock and 12 o'clock.
15. Place a 1.5 inch piece of glass tape over the rubber foot at the rear of the 12 o'clock wedge.
16. While watching the 6 o'clock and 12 o'clock areas of the screen, rock the front of the yoke in the horizontal (left to right) motion to converge the red and blue horizontal lines. (Fig. upper right)
17. Temporarily place a rubber wedge at the 5 o'clock and 7 o'clock positions to hold the horizontal position of the yoke.
18. Check the 3 o'clock and 9 o'clock areas to confirm that the red and blue vertical lines are converged. If the lines are not converged, slightly offset the horizontal tilt of the yoke (move the temporary rubber wedges if necessary) to equally balance the convergence error of the horizontal lines at 6 o'clock and 12 o'clock and the vertical lines at 3 o'clock and 9 o'clock.
19. Using a round magnet confirm purity at the center, right and left sides and corners. See Purity Adjustment Procedure.
20. Reconfirm convergence and apply a 1.5 inch piece of glass tape over the rubber foot at the rear of the 5 o'clock and the 7 o'clock wedges.

# EXPLODED VIEW(CF-29H30/T/N)



# EXPLODED VIEW PARTS LIST

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

| LOCA. NO | PART NO | DESCRIPTIONS |
|---|---|---|
| 102 | 341-919A | HOLDER,D-COIL |
| 104 | 343-B44A | SUPPORTER,PCB |
| | 343-B44B | SUPPORTER,PCB(GRAY,60HR) |
| ⚠ 112 | 6335V29005C | CPT ASSY A68QBC230X 01M7KT(+0.3) |
| | 6335V29005B | CPT ASSY A68QBC230X 01N7KT(+0.4G) |
| | 6335V29005A | CPT ASSY A68QBC230X 01L7KT(+0.5) |
| | 6335V29005D | CPT ASSY A68QBC230X 01K7KT(+0.2G)*O.G.E 29" |
| | 6335V29005F | CPT ASSY A68QBC230X 01Q7KT(0G) |
| | 6335V29005G | CPT ASSY A68QBC230X 01R7KT(-0.1G) |
| | 6335V29005H | CPT ASSY A68QBC230X 01T7KT(-0.2G)*ROCHA-M |
| | 2426GF120CK | CPT SET A68QBC230X 01T7KT |
| | 2055-V1011A | CPT A59KYL220X 00M7ND(+0.3G) |
| | 2055-V1011E | CPT ASSY, A59KYL220X 01N7ND(+0.4G)*KOAX-R |
| | 2055-V1011G | CPT ASSY, A59KYL220X 01T7ND(-0.2G)*ROCHA-M |
| | 2055-01011M | CPT SET A59KYL220X 01K7ND *BUTTERFLY |
| | 2055-V1011N | CPT A59KYL220X 01K7ND(+0.2G)*O.G.E 25" |
| | 2055-V1011P | CPT A59KYL220X 01R7ND(-0.1G) |
| | 2055-01011T | CPT SET A59KYL220X 01R7ND *S&E |
| | 2426GF120CO | CPT SET A68QBC230X 61K7KT*BUTTERFLY |
| 120 | 120-C77G | SPEAKER,C122P02K1459 8OHM 10 |
| ⚠ 150 | 150-D05D | COIL,DEGAUSSING 29" |
| | 150-D05N | COIL,DEGAUSSING 25" |
| ⚠ 170 | 170-586Y | LEAD SET,CPT EARTH 29" |
| | 170-844B | LEAD SET,CPT EARTH 25" |
| 300 | 3106V00045C | CABINET UNIT,LG |
| | 3106V00045D | CABINET UNIT,NO BRAND |
| | 3106V00045G | CABINET UNIT,KOAX |
| | 3106V00064A | CABINET UNIT 25" |
| | 3106V00064K | CABINET UNIT, CF-25H30T, KOAX-R |
| 310 | 5020V00121A | BUTTON,CONTROL |
| 320 | 320-062F | SPRING,KNOB |
| 330 | 5020V00120A | BUTTON,POWER 29" |
| | 5020V00191A | BUTTON,POWER 25" |
| 400 | 3809V00025B | BACK COVER ASSY 29" |
| | 3809V00032M | BACK COVER ASSY 25" |
| | 3809V00032Q | BACK COVER ASSY, 25H30T(KOAX-R) |
| 510 | 6871VSN044A | PCB ASSY,CPT 29" |
| | 6871VSN044B | PCB ASSY,CPT 25" |
| 520 | 6871VMM111A | PCB ASSY,MAIN 74A RF ST,W/TXT |
| | 6871VMM111B | PCB ASSY,MAIN 74A KOAX |
| | 6871VMM111C | PCB ASSY,MAIN 74A AV ST,W/O TXT |
| | 6871VMM111D | PCB ASSY,MAIN 74A RF ST,W/O TXT |
| | 6871VMM111E | PCB ASSY,MAIN 74A AV ST,W/TXT |
| | 6871VMM111F | PCB ASSY,MAIN 74A 29H30T P/R |
| | 6871VMM111P | PWB ASSY,MAIN 29H30X *I.G.I |
| | 6871VMM130C | PWB ASSY,MAIN KCF29H30T P/H, W/LP |
| | 6871VMM184B | PWB ASSY,MAIN 25H30 *O.G.E |
| | 6871VMM184C | PWB ASSY,MAIN 25H30X SCART |
| | 6871VMM184L | PWB ASSY,MAIN 25H30X *I.G.I |
| | 6871VMM184M | PWB ASSY,MAIN 25H30T *KOAX-R |
| | 6871VMM284J | PWB ASSY,MAIN SCF29H30 |
| | 6871VMM284K | PWB ASSY,MAIN SCF25H30 |
| 530 | 6871VPM006B | PCB ASSY,74A POWER 29H30 |
| | 6871VPM012C | PWB ASSY,POWER 29H30 W/LP |
| | 6871VPM023A | PWB ASSY,POWER 25H30 |
| 540 | 6871VSM109B | PCB ASSY,SUB(RF STEREO) |
| | 6871VSM120A | PCB ASSY,SUB(AV STEREO) |
| | 6871VSM165C | PWB ASSY,SUB RF.ST W/O HP |
| 700 | 0IGL120104A | CDS SENSOR MODULE(P1201-04) |
| 912 | 1PTF0402816 | SCREW,TRUSS HEAD D4 L12 |
| 913 | 332-229A | SCREW ASSY,HEXAGON HEAD SPECIAL |
| 943 | 1PPF0403116 | SCREW,PAN HEAD D4 L16 |

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

# REPLACEMENT PARTS LIST

| LOCA. NO | PART NO | DESCRIPTION |
|---|---|---|
| | | **IC** |
| ICT74 | 0IPH528100A | IC,SAA5281P/E TELETEXT DECODER (WEST) |
| " | 0IPH528100B | IC,SAA5281P/H TXT DECODER(EAST) |
| " | 0IPH528100C | IC,SAA5281P/R TXT DECODER (RUSIA) |
| " | 0IPH528100D | IC,SAA5281P/K TXT DECODER (ARABIC) |
| ICT75 | 0IKE780500K | IC,KIA7805PI 3P(TO-220IS) 5V,1A |
| ICT76 | 0ISG511400A | IC,TEA5114 |
| IC11 | 0ISS754200A | IC,KA7542Z 4.2V RESET |
| IC12 | 0ISO873805C | IC,LG8738-05C(CSP86441-509S) |
| IC20 | 0IAL240800A | IC,AT24C08-10PC 8D EEPROM(8K,IIC) |
| " | 0ISG241600A | IC,ST24C16 8D EEPROM(16K) |
| IC201 | 0IGS381200A | IC,GL3812(HA11518) |
| IC511 | 0IMA586000A | IC,AN5860 14D ANALOG RGB S/W |
| IC512 | 0IPH837500A | IC,TDA8375 56P,SDIP BK VCD&W/IF 1 |
| IC590 | 0IPH839530A | IC,TDA8395P/N3 16DIP BK SECAM DET |
| IC591 | 0IPH466500B | IC,TDA4665-V4 16D 1H D/L(TAIWAN) |
| ⚠ IC802 | 0ISH123200B | IC,PC123 FY2PHOTO COUPLER |
| IC803 | 0ISK130000A | IC,SE130N 3P 130V ERROR AMP |
| IC804 | 0IKE780500K | IC,KIA7805PI 3P(TO-220IS) 5V,1A |
| IC524 | 0IKE780800A | IC,KIA7808PI 3P(TO-220IS) 1A,8V |
| IC303 | 0IPH835050A | IC,TDA8350Q/N5 13P,SIP BK V/DEF+E |
| IC620 | 0ISA428200A | IC,LA4282 |
| IC805 | 0ISH122100A | IC,PQ12RF21 4P(TO-220) 12V S/W RE |
| IC801 | 0ISK670900A | IC,STR/S6709 9S SMPS-CNTR |
| | | **TRANSISTOR** |
| QT61 | 0TR319809AA | TR,KTC3198-TP-Y (KTC1815)KEC |
| QT75 | 0TR319809AA | TR,KTC3198-TP-Y (KTC1815)KEC |
| QT76 | 0TR319809AA | TR,KTC3198-TP-Y (KTC1815)KEC |
| QT77 | 0TR319809AA | TR,KTC3198-TP-Y (KTC1815)KEC |
| Q11 | 0TR102009AB | TR,KRC102M,TP(KRC1202),KEC |
| Q111 | 0TR102009AB | TR,KRC102M,TP(KRC1202),KEC |
| Q112 | 0TR319809AA | TR,KTC3198-TP-Y (KTC1815)KEC |
| Q12 | 0TR319809AA | TR,KTC3198-TP-Y (KTC1815)KEC |
| Q13 | 0TR319809AA | TR,KTC3198-TP-Y (KTC1815)KEC |
| Q17 | 0TR319809AA | TR,KTC3198-TP-Y (KTC1815)KEC |
| Q201 | 0TR319809AA | TR,KTC3198-TP-Y (KTC1815)KEC |
| Q301 | 0TR988000AC | TR,KTB988-Y,W/A(KTB834),KEC |
| Q401 | 0TR322900AA | TR,KTC3229 (KTC2068),KEC |
| ⚠ Q402 | 0TR270800AA | TR,BU2708AF BK PHILIPS |
| Q403 | 0TR102009AB | TR,KRC102M,TP(KRC1202),KEC |
| Q511 | 0TR319809AA | TR,KTC3198-TP-Y (KTC1815)KEC |
| Q512 | 0TR319809AA | TR,KTC3198-TP-Y (KTC1815)KEC |
| Q513 | 0TR102009AB | TR,KRC102M,TP(KRC1202),KEC |
| Q514 | 0TR319809AA | TR,KTC3198-TP-Y (KTC1815)KEC |
| Q515 | 0TR319809AA | TR,KTC3198-TP-Y (KTC1815)KEC |
| Q516 | 0TR319809AA | TR,KTC3198-TP-Y (KTC1815)KEC |
| Q517 | 0TR126609AA | TR,KTA1266-TP-Y (KTA1015) KEC |
| Q518 | 0TR319809AA | TR,KTC3198-TP-Y (KTC1815)KEC |
| Q519 | 0TR126609AA | TR,KTA1266-TP-Y (KTA1015) KEC |
| Q520 | 0TR319809AA | TR,KTC3198-TP-Y (KTC1815)KEC |
| Q522 | 0TR319809AA | TR,KTC3198-TP-Y (KTC1815)KEC |
| Q525 | 0TR126609AA | TR,KTA1266-TP-Y (KTA1015) KEC |
| Q68 | 0TR126609AA | TR,KTA1266-TP-Y (KTA1015) KEC |
| Q800 | 0TR385200AA | TR,2SC3852A SANKEN |
| Q802 | 0TR968000AA | TR,KTA968A-Y KEC |
| Q803 | 0TR322809AA | TR,KTC3228-0 TP(KTC2383),KEC |
| Q804 | 0TR319809AA | TR,KTC3198-TP-Y (KTC1815)KEC |
| Q805 | 0TR322709AA | TR,KTC3227-Y,TP(KTC1627A),KEC |
| Q806 | 0TR319809AA | TR,KTC3198-TP-Y (KTC1815)KEC |
| Q901 | 0TR126609AA | TR,KTA1266-TP-Y (KTA1015) KEC |
| Q921 | 0TR319809AA | TR,KTC3198-TP-Y (KTC1815)KEC |
| Q922 | 0TR322900AA | TR,KTC3229 (KTC2068),KEC |
| Q923 | 0TR319809AA | TR,KTC3198-TP-Y (KTC1815)KEC |
| Q924 | 0TR422009CB | TR,BF422L(AMMO)TO-92 TP PHILIPS |
| Q925 | 0TR421009CB | TR,BF421L(AMMO)TO-92 TP PHILIPS |
| Q941 | 0TR319809AA | TR,KTC3198-TP-Y (KTC1815)KEC |
| Q942 | 0TR322900AA | TR,KTC3229 (KTC2068),KEC |
| Q943 | 0TR319809AA | TR,KTC3198-TP-Y (KTC1815)KEC |
| Q944 | 0TR422009CB | TR,BF422L(AMMO)TO-92 TP PHILIPS |
| Q945 | 0TR421009CB | TR,BF421L(AMMO)TO-92 TP PHILIPS |
| Q961 | 0TR319809AA | TR,KTC3198-TP-Y (KTC1815)KEC |
| Q962 | 0TR322900AA | TR,KTC3229 (KTC2068),KEC |
| Q963 | 0TR319809AA | TR,KTC3198-TP-Y (KTC1815)KEC |
| Q964 | 0TR422009CB | TR,BF422L(AMMO)TO-92 TP PHILIPS |
| Q965 | 0TR421009CB | TR,BF421L(AMMO)TO-92 TP PHILIPS |
| | | **DIODE** |
| DT75 | 0DD414809ED | DIODE DS4148 |
| DT76 | 0DD414809ED | DIODE DS4148 |
| D11 | 0DD414809ED | DIODE DS4148 |
| D115 | 0DD414809ED | DIODE DS4148 |
| D116 | 0DD859009AA | DIODE SILICON MA859 TAPING |
| D117 | 0DD859009AA | DIODE SILICON MA859 TAPING |
| D14 | 0DD414809ED | DIODE DS4148 |
| D15 | 0DD414809ED | DIODE DS4148 |
| D301 | 0DD414809ED | DIODE DS4148 |
| D302 | 0DD414809ED | DIODE DS4148 |
| D305 | 0DD414809ED | DIODE DS4148 |
| D306 | 0DD414809ED | DIODE DS4148 |
| D307 | 0DD150009CA | DIODE RGP15J |
| D401 | 0DD414809ED | DIODE DS4148 |
| D402 | 0DD414809ED | DIODE DS4148 |
| D403 | 0DD410000AC | DIODE RU4DS,LF-L1 |
| D404 | 0DD410000AD | DIODE RU4AM,LF-L1 |
| D405 | 0DD414809ED | DIODE DS4148 |
| D406 | 0DD060009AC | DIODE TVR06J 0.6A/600V 250NS |
| D407 | 0DD060009AC | DIODE TVR06J 0.6A/600V 250NS |
| D408 | 0DD400509AA | DIODE 1N4005 GP |
| ⚠ D430 | 0DD150009CA | DIODE RGP15J |
| D513 | 0DD414809ED | DIODE DS4148 |
| D516 | 0DD414809ED | DIODE DS4148 |
| D518 | 0DD414809ED | DIODE DS4148 |
| D519 | 0DD414809ED | DIODE DS4148 |
| D601 | 0DD470009AA | DIODE BAT47 |
| D602 | 0DD470009AA | DIODE BAT47 |
| D68 | 0DD414809ED | DIODE DS4148 |
| D69 | 0DD414809ED | DIODE DS4148 |
| D803 | 0DD100009AL | DIODE EH-1ZV |
| D805 | 0DD100009AM | DIODE EU1ZV |
| D806 | 0DD100009AM | DIODE EU1ZV |

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

| LOCA. NO | PART NO | DESCRIPTION |
|---|---|---|
| D807 | 0DD060009AC | DIODE TVR06J 0.6A/600V 250NS |
| D821 | 0DD410000AD | DIODE RU4AM,LF-L1 |
| D822 | 0DD410000AD | DIODE RU4AM,LF-L1 |
| D823 | 0DD060009AC | DIODE TVR06J 0.6A/600V 250NS |
| D824 | 0DD060009AC | DIODE TVR06J 0.6A/600V 250NS |
| D825 | 0DD410000AD | DIODE RU4AM,LF-L1 |
| D826 | 0DD060009AC | DIODE TVR06J 0.6A/600V 250NS |
| D827 | 0DD414809ED | DIODE DS4148 |
| D831 | 0DD110009DB | DIODE RM11CV 1.2A/1000V 100A |
| D832 | 0DD110009DB | DIODE RM11CV 1.2A/1000V 100A |
| D833 | 0DD110009DB | DIODE RM11CV 1.2A/1000V 100A |
| D834 | 0DD110009DB | DIODE RM11CV 1.2A/1000V 100A |
| D921 | 0DD247109AA | DIODE 1S2471 |
| D922 | 0DD060009AC | DIODE TVR06J 0.6A/600V 250NS |
| D922 | 0DS124409AA | DIODE,SWITCHING 1SS244 |
| D923 | 0DD060009AC | DIODE TVR06J 0.6A/600V 250NS |
| D924 | 0DD247109AA | DIODE 1S2471 |
| D941 | 0DD247109AA | DIODE 1S2471 |
| D942 | 0DD060009AC | DIODE TVR06J 0.6A/600V 250NS |
| D942 | 0DS124409AA | DIODE,SWITCHING 1SS244 |
| D943 | 0DD060009AC | DIODE,TVR06J 0.6A/600V 250NS |
| D944 | 0DD247109AA | DIODE,1S2471 |
| D961 | 0DD247109AA | DIODE,1S2471 |
| D962 | 0DD060009AC | DIODE,TVR06J 0.6A/600V 250NS |
| D962 | 0DS124409AA | DIODE,SWITCHING 1SS244 |
| D963 | 0DD060009AC | DIODE TVR06J 0.6A/600V 250NS |
| D964 | 0DD247109AA | DIODE 1S2471 |
| D965 | 0DD400309AD | DIODE IN4003A RECT |
| ZD11 | 0DZ910009BA | DIODE,ZENER MTZ9.1B |
| ZD111 | 0DZ330009BA | DIODE,ZENER HZT33 |
| ZD113 | 0DZ510009AB | DIODE,ZENER MTZ5.1B |
| ZD305 | 0DZ240009BB | DIODE,ZENER MTZ24B |
| ZD306 | 0DZ110009AA | DIODE,ZENER MTZ 11B |
| ZD402 | 0DZ750009AA | DIODE,ZENER MTZ7.5B |
| ZD405 | 0DZ820009AA | DIODE,ZENER MTZ8.2B |
| ZD516 | 0DZ510009AB | DIODE,ZENER MTZ5.1B |
| ZD517 | 0DZ510009AB | DIODE,ZENER MTZ5.1B |
| ZD518 | 0DZ510009AB | DIODE,ZENER MTZ5.1B |
| ZD590 | 0DZ510009AB | DIODE,ZENER MTZ5.1B |
| ZD808 | 0DZ750009AA | DIODE,ZENER MTZ7.5B |
| ZD828 | 0DZ910009BA | DIODE,ZENER MTZ9.1B |
| ZD901 | 0DZ750009AA | DIODE,ZENER MTZ7.5B |

## CAPACITOR

| | | |
|---|---|---|
| CT75 | 0CE227DF618 | C,ELECTROLYTIC 220UF STD 16V M |
| CT76 | 0CE107DF618 | C,ELECTROLYTIC 100UF STD 16V M |
| CT77 | 0CN1030F679 | C,TUBULA(HIGH DIELE) 0.01MF 16V M |
| CT78 | 0CE336DF618 | C,ELECTROLYTIC 33UF STD 16V M |
| CT80 | 0CN1030F679 | C,TUBULA(HIGH DIELE) 0.01MF 16V M |
| CT81 | 0CQ1041N509 | C,POLYESTER(MYLAR) 0.1MF 100V L |
| CT82 | 0CQ1041N509 | C,POLYESTER(MYLAR) 0.1MF 100V L |
| CT83 | 0CQ1041N509 | C,POLYESTER(MYLAR) 0.1MF 100V L |
| CT84 | 0CE476DF618 | C,ELECTROLYTIC 47UF STD 16V M |
| CT85 | 0CC1500K415 | C,CERAMIC(TEMP COMP) 15P 50V J |
| CT86 | 0CX8R20K509 | C,TUBULA(T.C) 8.2P 50V K SL |
| CT87 | 0CN1040K949 | C,TUBULA(HIGH DIELE) 0.1M 50V Z |
| CT88 | 0CQ1041N509 | C,POLYESTER(MYLAR) 0.1MF 100V L |
| CT89 | 0CQ1041N509 | C,POLYESTER(MYLAR) 0.1MF 100V L |
| CT90 | 0CQ1041N509 | C,POLYESTER(MYLAR) 0.1MF 100V L |
| CT91 | 0CQ1041N509 | C,POLYESTER(MYLAR) 0.1MF 100V L |
| CT92 | 0CQ1041N509 | C,POLYESTER(MYLAR) 0.1MF 100V L |
| CT93 | 0CQ1041N509 | C,POLYESTER(MYLAR) 0.1MF 100V L |
| CT94 | 0CE107DF618 | C,ELECTROLYTIC 100UF STD 16V M |
| CT95 | 0CN1020K519 | C,TUBULA(HIGH DIELE) 1000PF 50V K |
| C11 | 0CE106DK618 | C,ELECTROLYTIC 10UF STD 50V M |
| C111 | 0CE226DF618 | C,ELECTROLYTIC 22UF 16V M |
| C112 | 0CN1040K949 | C,TUBULA(HIGH DIELE) 0.1M 50V Z |
| C113 | 0CE106DK618 | C,ELECTROLYTIC 10UF STD 50V M |
| C114 | 0CN1040K949 | C,TUBULA(HIGH DIELE) 0.1M 50V Z |
| C115 | 0CE108DF618 | C,ELECTROLYTIC 1000UF STD 16V M |
| C116 | 0CN1020K519 | C,TUBULA(HIGH DIELE) 1000PF 50V K |
| C117 | 0CN1030F679 | C,TUBULA(HIGH DIELE) 0.01MF 16V M |
| C118 | 0CN1030F679 | C,TUBULA(HIGH DIELE) 0.01MF 16V M |
| C119 | 0CE225DK618 | C,ELECTROLYTIC 2.2UF STD 50V M |
| C12 | 0CN1010K519 | C,TUBULA(HIGH DIELE) 100PF 50V K |
| C120 | 0CQ2242K439 | C,POLYESTER(MYLAR) 0.22UF S 50V J |
| C13 | 0CN1010K519 | C,TUBULA(HIGH DIELE) 100PF 50V K |
| C14 | 0CN1010K519 | C,TUBULA(HIGH DIELE) 100PF 50V K |
| C15 | 0CN1010K519 | C,TUBULA(HIGH DIELE) 100PF 50V K |
| C16 | 0CN1010K519 | C,TUBULA(HIGH DIELE) 100PF 50V K |
| C17 | 0CN1010K519 | C,TUBULA(HIGH DIELE) 100PF 50V K |
| C18 | 0CN1010K519 | C,TUBULA(HIGH DIELE) 100PF 50V K |
| C19 | 0CE335DK618 | C,ELECTROLYTIC 3.3UF STD 50V M |
| C20 | 0CN1020K519 | C,TUBULA(HIGH DIELE) 1000PF 50V K |
| C201 | 0CE107DF618 | C,ELECTROLYTIC 100UF STD 16V M |
| C202 | 0CE475DK618 | C,ELECTROLYTIC 4.7UF STD 50V M |
| C203 | 0CE475DK618 | C,ELECTROLYTIC 4.7UF STD 50V M |
| C204 | 0CE475DK618 | C,ELECTROLYTIC 4.7UF STD 50V M |
| C205 | 0CE475DK618 | C,ELECTROLYTIC 4.7UF STD 50V M |
| C206 | 0CE475DK618 | C,ELECTROLYTIC 4.7UF STD 50V M |
| C207 | 0CE475DK618 | C,ELECTROLYTIC 4.7UF STD 50V M |
| C208 | 0CE226DF618 | C,ELECTROLYTIC 22UF 16V M |
| C209 | 0CN1040K949 | C,TUBULA(HIGH DIELE) 0.1M 50V Z |
| C210 | 0CE226DF618 | C,ELECTROLYTIC 22UF 16V M |
| C211 | 0CE475DK618 | C,ELECTROLYTIC 4.7UF STD 50V M |
| C212 | 0CE475DK618 | C,ELECTROLYTIC 4.7UF STD 50V M |
| C213 | 0CE107DF618 | C,ELECTROLYTIC 100UF STD 16V M |
| C214 | 0CN1040K949 | C,TUBULA(HIGH DIELE) 0.1M 50V Z |
| C215 | 0CE226DF618 | C,ELECTROLYTIC 22UF 16V M |
| C216 | 0CN1040K949 | C,TUBULA(HIGH DIELE) 0.1M 50V Z |
| C217 | 0CE226DF618 | C,ELECTROLYTIC 22UF 16V M |
| C23 | 0CE476DF618 | C,ELECTROLYTIC 47UF STD 16V M |
| C230 | 0CE337DF618 | C,ELECTROLYTIC 330UF STD 16V M |
| C231 | 0CE475DK618 | C,ELECTROLYTIC 4.7UF STD 50V M |

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

| LOCA. NO | PART NO | DESCRIPTION |
|---|---|---|
| C234 | 0CE475DK618 | C,ELECTROLYTIC 4.7UF STD 50V M |
| C239 | 0CE337DF618 | C,ELECTROLYTIC 330UF STD 16V M |
| C24 | 0CE107DF618 | C,ELECTROLYTIC 100UF STD 16V M |
| C244 | 0CE475DK618 | C,ELECTROLYTIC 4.7UF STD 50V M |
| C245 | 0CE475DK618 | C,ELECTROLYTIC 4.7UF STD 50V M |
| C25 | 0CN1030F679 | C,TUBULA(HIGH DIELE) 0.01MF 16V M |
| C261 | 0CN1030F679 | C,TUBULA(HIGH DIELE) 0.01MF 16V M |
| C262 | 0CN1030F679 | C,TUBULA(HIGH DIELE) 0.01MF 16V M |
| C28 | 0CN1030F679 | C,TUBULA(HIGH DIELE) 0.01MF 16V M |
| C29 | 0CQ1842K439 | C,POLYESTER(MYLAR) 0.18UF S 50V J |
| C30 | 0CX4700K409 | C,TUBULA(T.C) 47PF 50V J |
| C301 | 0CE107DN618 | C,ELECTROLYTIC 100UF STD 100V M |
| C302 | 0CE477DJ618 | C,ELECTROLYTIC 470UF STD 35V M |
| C303 | 0CK1030K945 | C,CERAMIC(HIGH DIELE)0.01MF 50V Z |
| C304 | 0CQ1041N509 | C,POLYESTER(MYLAR) 0.1MF 100V L |
| C305 | 0CE6851K652 | C,ELECTROLYTIC 6.8UF SM 50V M |
| C306 | 0CK2710W515 | C,CERAMIC(HIGH DIELE)270P 500V K |
| C307 | 0CE477DJ618 | C,ELECTROLYTIC 470UF STD 35V M |
| C308 | 0CQ1041N509 | C,POLYESTER(MYLAR) 0.1MF 100V L |
| C31 | 0CX4700K409 | C,TUBULA(T.C) 47PF 50V J |
| C310 | 0CK1020W515 | C,CERAMIC(HIGH DIELE)1000PF 500V K |
| C311 | 0CQ1031N509 | C,POLYESTER(MYLAR) 0.01U 100V K |
| C312 | 0CN5610K519 | C,TUBULA(HIGH DIELE) 560P 50V K |
| C313 | 0CK1020K515 | C,CERAMIC 1000PF 50V K |
| C32 | 0CX4700K409 | C,TUBULA(T.C) 47PF 50V J |
| C33 | 0CX4700K409 | C,TUBULA(T.C) 47PF 50V J |
| C330(29") | 0CQ2731N509 | C,POLYESTER(MYLAR) 0.027U 100V K |
| "(25") | 0CQ1031N509 | C,POLYESTER 0.01U 100V K |
| C331 | 0CQ1041N509 | C,POLYESTER(MYLAR) 0.1MF 100V L |
| C34 | 0CN1030F679 | C,TUBULA(HIGH DIELE) 0.01MF 16V M |
| C35 | 0CX4700K409 | C,TUBULA(T.C) 47PF 50V J |
| C36 | 0CX4700K409 | C,TUBULA(T.C) 47PF 50V J |
| C401 | 0CE335DK618 | C,ELECTROLYTIC 3.3UF STD 50V M |
| C402 | 0CE106DN618 | C,ELECTROLYTIC 10UF STD 100V M |
| C403 | 0CK3910K515 | C,CERAMIC(HIGH DIELE)390P 50V K |
| C404 | 0CQ1021N509 | C,POLYESTER(MYLAR) 0.001U 100V K |
| C405(29") | 181-011B | CAPACITOR PP 1600V 0.001UF J |
| "(25") | 181-014S | CAPACITOR PP 2000V 0.0022UF J |
| ⚠ C406 | 0CE106BR618 | C,ELECTROLYTIC 10UF KME 250V M |
| C407 | 0CE476DN618 | C,ELECTROLYTIC 47UF STD 100V M |
| C408 | 0CE2261R618 | C,ELECTROLYTIC 22M SM 250V M |
| ⚠ C409(29") | 181-014M | C,MPP 1600V 0.0091UF J |
| "(25") | 181-014N | C,MPP 1600V 0.01UF J |
| ⚠ C410(29") | 181-014M | C,MPP 1600V 0.0091UF J |
| "(25") | 181-014N | C,MPP 1600V 0.01UF J |
| C411(29") | 181-005J | C,POLYESTER 400V 0.033UF K |
| "(25") | 181-005H | C,POLYESTER 400V 0.022UF K |
| C412 | 0CQ1041N509 | C,POLYESTER(MYLAR) 0.1MF 100V L |
| C413 | 0CK2710W515 | C,CERAMIC(HIGH DIELE)270P 500V K |
| C414 | 0CK2710W515 | C,CERAMIC(HIGH DIELE)270P 500V K |
| C416 | 181-009V | C,PP 200V 0.047UF K |
| ⚠ C430(29") | 181-038K | C,MPP 250V 0.56UF J |
| "(25") | 181-013J | C,MPP 200V 0.7UF J |
| C511 | 0CQ1041N509 | C,POLYESTER(MYLAR) 0.1MF 100V L |
| C512 | 0CQ1041N509 | C,POLYESTER(MYLAR) 0.1MF 100V L |
| C513 | 0CC2210K415 | C,CERAMIC(TEMP COMP) 220P 50V J NPO TP |

| LOCA. NO | PART NO | DESCRIPTION |
|---|---|---|
| C514 | 0CC2210K415 | C,CERAMIC(TEMP COMP) 220P 50V J NPO TP |
| C515 | 0CQ4721N509 | C,POLYESTER(MYLAR) 0.0047U 100V K |
| C516 | 0CQ1042K439 | C,POLYESTER(MYLAR) 0.1UF S 50V J |
| C517 | 0CE476DF618 | C,ELECTROLYTIC 47UF STD 16V M |
| C518 | 0CE107DF618 | C,ELECTROLYTIC 100UF STD 16V M |
| C519 | 0CN1030F679 | C,TUBULA(HIGH DIELE) 0.01MF 16V M |
| C520 | 0CE225DK618 | C,ELECTROLYTIC 2.2UF STD 50V M |
| C521 | 0CQ2721N409 | C,POLYESTER(MYLAR) 2700PF 100V J |
| C522 | 0CE105DK618 | C,ELECTROLYTIC 1UF STD 50V M |
| C523 | 0CQ3321N509 | C,POLYESTER(MYLAR) 0.0033U 100V K |
| C526 | 0CN1020K519 | C,TUBULA(HIGH DIELE) 1000PF 50V K |
| C527 | 0CQ1041N455 | C,POLYESTER(MYLAR) 0.1UF 100V J |
| C528 | 0CQ2242K439 | C,POLYESTER(MYLAR) 0.22UF S 50V J |
| C529 | 0CSZVTA001C | C,TANTALUM |
| C530 | 0CQ2231N509 | C,POLYESTER(MYLAR) 0.022MF 100V K |
| C531 | 0CE475DK618 | C,ELECTROLYTIC 4.7UF STD 50V M |
| C532 | 0CQ4721N509 | C,POLYESTER(MYLAR) 0.0047U 100V K |
| C533 | 0CE106DF618 | C,ELECTROLYTIC 10UF STD 16V M (W/O TXT) |
| C533 | 0CE104DK618 | C,ELECTROLYTIC 0.1UF STD 50V M |
| C534 | 0CN1040K949 | C,TUBULA(HIGH DIELE) 0.1M 50V Z |
| C535 | 0CN1040K949 | C,TUBULA(HIGH DIELE) 0.1M 50V Z |
| C536 | 0CN1040K949 | C,TUBULA(HIGH DIELE) 0.1M 50V Z |
| C537 | 0CN1020K519 | C,TUBULA(HIGH DIELE) 1000PF 50V K |
| C538 | 0CQ2242K439 | C,POLYESTER(MYLAR) 0.22UF S 50V J |
| C539 | 0CC2210K405 | C,CERAMIC 220P 50V J |
| C540 | 0CQ1042K439 | C,POLYESTER(MYLAR) 0.1UF S 50V J |
| C541 | 0CE107DF618 | C,ELECTROLYTIC 100UF STD 16V M |
| C542 | 0CN2230H949 | C,TUBULA(HIGH DIELE) 22000P 25V Z F |
| C545 | 0CE225DK618 | C,ELECTROLYTIC 2.2UF STD 50V M |
| C546 | 0CQ2231N509 | C,POLYESTER(MYLAR) 0.022MF 100V K |
| C547 | 0CQ1042K439 | C,POLYESTER(MYLAR) 0.1UF S 50V J |
| C548 | 0CC0200K115 | C,CERAMIC(TEMP COMP) 2P 50V D |
| C550 | 0CQ1042K439 | C,POLYESTER 0.1UF S 50V J |
| C554 | 0CE105DK618 | C,ELECTROLYTIC 1UF STD 50V M |
| C560 | 0CN1030F679 | C,TUBULA(HIGH DIELE) 0.01MF 16V M |
| C561 | 0CE476DF618 | C,ELECTROLYTIC 47UF STD 16V M |
| C562 | 0CN1030F679 | C,TUBULA(HIGH DIELE) 0.01MF 16V M |
| C563 | 0CN1030F679 | C,TUBULA(HIGH DIELE) 0.01MF 16V M |
| C564 | 0CN1030F679 | C,TUBULA(HIGH DIELE) 0.01MF 16V M |
| C565 | 0CE227DF618 | C,ELECTROLYTIC 220UF STD 16V M |
| C566 | 0CE106DF618 | C,ELECTROLYTIC 10UF STD 16V M |
| C567 | 0CE476DF618 | C,ELECTROLYTIC 47UF STD 16V M |
| C568 | 0CX1200K409 | C,TUBULA(T.C) 12PF 50V J |
| C569 | 0CE476DF618 | C,ELECTROLYTIC 47UF STD 16V M |
| C590 | 0CE476DF618 | C,ELECTROLYTIC 47UF STD 16V M |
| C591 | 0CN1030F679 | C,TUBULA(HIGH DIELE) 0.01MF 16V M |
| C592 | 0CQ1042K439 | C,POLYESTER(MYLAR) 0.1UF S 50V J |
| C593 | 0CQ2242K439 | C,POLYESTER(MYLAR) 0.22UF S 50V J |
| C594 | 0CE476DF618 | C,ELECTROLYTIC 47UF STD 16V M |
| C595 | 0CN2230H949 | C,TUBULA(HIGH DIELE) 22000P 25V Z F |
| C596 | 0CQ1021N509 | C,POLYESTER(MYLAR) 0.001U 100V K |
| C597 | 0CQ1021N509 | C,POLYESTER(MYLAR) 0.001U 100V K |
| C598 | 0CN2230H949 | C,TUBULA(HIGH DIELE) 22000P 25V Z F |
| C620 | 0CE107DH618 | C,ELECTROLYTIC 100UF STD 25V M |
| C621 | 0CN2220F669 | C,TUBULA(HIGH DIELE) 2200P 16V M |
| C622 | 0CE107DH618 | C,ELECTROLYTIC 100UF STD 25V M |

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

| LOCA. NO | PART NO | DESCRIPTION |
|---|---|---|
| C623 | 0CE225DK618 | C,ELECTROLYTIC 2.2UF STD 50V M |
| C624 | 0CN2220F669 | C,TUBULA(HIGH DIELE) 2200P 16V M |
| C625 | 0CE107DH618 | C,ELECTROLYTIC 100UF STD 25V M |
| C626 | 0CQ1041N509 | C,POLYESTER(MYLAR) 0.1MF 100V L |
| C627 | 0CE225DK618 | C,ELECTROLYTIC 2.2UF STD 50V M |
| C628 | 0CE106DK618 | C,ELECTROLYTIC 10UF STD 50V M |
| C629 | 0CE228DJ650 | C,ELECTROLYTIC 2200UF STD 35V M |
| C630 | 0CK1030K945 | C,CERAMIC(HIGH DIELE)0.01MF 50V Z |
| C631 | 0CQ1041N509 | C,POLYESTER(MYLAR) 0.1MF 100V L |
| C632 | 0CE108DH618 | C,ELECTROLYTIC 1000UF STD 25V M |
| C633 | 0CE108DH618 | C,ELECTROLYTIC 1000UF STD 25V M |
| C634 | 0CQ1531N509 | C,POLYESTER(MYLAR) 0.015MF 100V K |
| C635 | 0CQ1531N509 | C,POLYESTER(MYLAR) 0.015MF 100V K |
| C68 | 0CE227DF618 | C,ELECTROLYTIC 220UF STD 16V M |
| C69 | 0CN2210K519 | C,TUBULA(HIGH DIELE) 220PF 50V K |
| C70 | 0CE476DF618 | C,ELECTROLYTIC 47UF STD 16V M |
| C801 | 0CQZVBK002C | C,POLYESTER A.C 275V 0.22UF K |
| ⚠ C802 | 0CQZVBK002C | C,POLYESTER A.C 275V 0.22UF K |
| C803 | 0CQZVBK002C | C,POLYESTER A.C 275V 0.22UF K |
| C804 | 181-091D | C,DE0905 R 102K 1KV |
| C805 | 181-091D | C,DE0905 R 102K 1KV |
| C806 | 181-091D | C,DE0905 R 102K 1KV |
| C807 | 181-091D | C,DE0905 R 102K 1KV |
| C808 | 181-001T | C,ELECTROLYTIC 400V 470UF M |
| C810 | 0CE477DF618 | C,ELECTROLYTIC 470UF STD 16V M |
| C811 | 0CE227DK618 | C,ELECTROLYTIC 220UF STD 50V M |
| C812 | 0CE226DN618 | C,ELECTROLYTIC 22UF STD 100V M |
| C813 | 0CK1020K515 | C,CERAMIC(HIGH DIELE)1000PF 500V K |
| C814 | 181-011D | C,PP 1600V 0.0022UF J |
| C815 | 0CK4710W515 | C,CERAMIC(HIGH DIELE)470PF 500V K |
| C816 | 181-091D | C,DE0905 R 102K 1KV |
| C820 | 0CE2271P640 | C,ELECTROLYTIC 220MF SMS 160V M |
| C821 | 0CE107DN618 | C,ELECTROLYTIC 100UF STD 100V M |
| C822 | 0CE477DD618 | C,ELECTROLYTIC 470UF STD 10V M |
| C823 | 0CE1051K636 | C,ELECTROLYTIC 1UF SM 50V M |
| C824 | 0CE108DH618 | C,ELECTROLYTIC 1000UF STD 25V M |
| C825 | 0CE107DH618 | C,ELECTROLYTIC 100UF STD 25V M |
| C826 | 0CE228DH610 | C,ELECTROLYTIC 2200UF STD 25V M |
| C827 | 0CK4710W515 | C,CERAMIC(HIGH DIELE)470PF 500V K |
| C828 | 0CK1020W515 | C,CERAMIC(HIGH DIELE)1000PF 500V K |
| C829 | 181-003D | C,ELECTROLYTIC 160V 100UF T HR |
| C830 | 0CE477DF618 | C,ELECTROLYTIC 470UF STD 16V M |
| C831 | 0CK4710W515 | C,CERAMIC(HIGH DIELE)470PF 500V K |
| C832 | 181-091D | C,DE0905 R 102K 1KV |
| C833 | 181-091D | C,DE0905 R 102K 1KV |
| C834 | 0CQ1041N509 | C,POLYESTER(MYLAR) 0.1MF 100V L |
| C837 | 0CE228DK650 | C,ELECTROLYTIC 2200UF STD 50V M |
| ⚠ C850 | 181-120E | C,ACT 4KV E 222M FL10 |
| C901 | 0CE227DF618 | C,ELECTROLYTIC 220UF STD 16V M |
| C902 | 0CK1040K945 | C,CERAMIC(HIGH DIELE)0.1M 50V Z |
| C903 | 0CE475DR618 | C,ELECTROLYTIC 4.7UF STD 250V M |
| C905 | 0CE335DK618 | C,ELECTROLYTIC 3.3UF STD 50V M |
| C906 | 0CE475DR618 | C,ELECTROLYTIC 4.7UF STD 250V M |
| C907 | 181-033T | CAPACITOR 2KV B 222K |
| C908 | 0CE227DF618 | C,ELECTROLYTIC 220UF STD 16V M |
| C909 | 0CE227DF618 | C,ELECTROLYTIC 220UF STD 16V M |

| LOCA. NO | PART NO | DESCRIPTION |
|---|---|---|
| C910 | 0CE225DR618 | C,ELECTROLYTIC 2.2UF STD 250V M |
| C912 | 0CN1030F679 | C,TUBULA(HIGH DIELE) 0.01MF 16V M |
| C921 | 0CK1040K945 | C,CERAMIC(HIGH DIELE)0.1M 50V Z |
| C922 | 0CN5610K519 | C,TUBULA(HIGH DIELE) 560P 50V K |
| C924(29") | 0CC2700K115 | C,CERAMIC(TEMP COMP) 27P 50V J |
| "(25") | 0CC3300K415 | C,CERAMIC(TEMP COMP) 33P 50V J |
| C941 | 0CK1040K945 | C,CERAMIC(HIGH DIELE)0.1M 50V Z |
| C942 | 0CN4710K519 | C,TUBULA(HIGH DIELE) 470PF 50V K |
| C944(29") | 0CC2700K115 | C,CERAMIC(TEMP COMP) 27P 50V J |
| "(25") | 0CC3300K415 | C,CERAMIC(TEMP COMP) 33P 50V J |
| C961 | 0CK1040K945 | C,CERAMIC(HIGH DIELE)0.1M 50V Z |
| C962 | 0CN5610K519 | C,TUBULA(HIGH DIELE) 560P 50V K |
| C964(29") | 0CC2700K115 | C,CERAMIC(TEMP COMP) 27P 50V J |
| "(25") | 0CC3300K415 | C,CERAMIC(TEMP COMP) 33P 50V J |
| **FUSE** | | |
| ⚠ F801 | 0FT4001B517 | FUSE,TIME LAG 4A 250V CY/GL VDE |
| ⚠ FR803 | 131-096E | FUSE,MICRO 125V 4.0A |
| **COIL & TRANSFORMER** | | |
| FB308 | 125-022K | CORE,FERRITE 1UH |
| FB405 | 125-022K | CORE,FERRITE 1UH |
| FB801 | 125-022K | CORE,FERRITE 1UH |
| FB802 | 125-022K | CORE,FERRITE 1UH |
| FB803 | 125-123A | CORE,FERRITE BFD3565R2F |
| FB804 | 125-022K | CORE,FERRITE 1UH |
| FB805 | 125-022K | CORE,FERRITE 1UH |
| LT75 | 0LA0331K119 | INDUCTOR,3.3UH K |
| L11 | 0LA0561K119 | INDUCTOR,5.6UH K |
| L111 | 0LA0102K119 | INDUCTOR,10UH K |
| L115 | 0LA0222K119 | INDUCTOR,22UH K |
| L12 | 0LA0152K119 | INDUCTOR,15UH K |
| L261 | 0LA0102K119 | INDUCTOR,10UH K |
| L262 | 0LA0102K119 | INDUCTOR,10UH K |
| L301 | 150-717J | COIL,CHOKE 560UH (E/W) |
| L302 | 150-C02V | COIL,CHOKE 10UH R 1318 |
| ⚠ L401(29") | 150-L02X | COIL,H-LINEARITY 15UH |
| "(25") | 150-L01F | COIL,LINEARITY 22.8UH |
| L402 | 0LA0102K139 | INDUCTOR,10UH K |
| L511 | 0LA0681K119 | INDUCTOR,6.8UH K |
| L512 | 0LA0821K119 | INDUCTOR,8.2UH K |
| L513 | 0LA0102K119 | INDUCTOR,10UH K |
| L514 | 0LA0102K119 | INDUCTOR,10UH K |
| L518 | 150-E11K | COIL,IFT VAR,07S 1C 38.0MHZ |
| L590 | 0LA0102K119 | INDUCTOR,10UH K |
| L801 | 150-C02F | COIL,CHOKE 82UH R1217 |
| L803 | 150-C02F | COIL,CHOKE 82UH R1217 |
| L901 | 0LA0102K139 | INDUCTOR,10UH K |
| L921 | 0LA1000K139 | INDUCTOR,100UH K |
| L941 | 0LA1000K139 | INDUCTOR,100UH K |
| L961 | 0LA1000K139 | INDUCTOR,100UH K |
| ⚠ T406 | 6174Z-6229L | FBT,FTMPN11-D6229L |
| ⚠ T451 | 151-C02B | TRANSFORMER,H-DRIVE,EI-19 |
| ⚠ T801 | 150-F06J | COIL,LINE FILTER SQE2930 18MH |
| ⚠ T802 | 150-F06J | COIL,LINE FILTER SQE2930 18MH |

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| LOCA. NO | PART NO | DESCRIPTION |
|---|---|---|
| ⚠ T803 | 151-B01C | TRANSFORMER,SMPS TYPE SMPC |
| **JACK** | | |
| PJ230 | 380-392A | JACK,A/V IN-OUT(6P) |
| PJ261 | 6613V00004B | JACK ASSY,3P |
| **CONNECTOR** | | |
| | 387-651A | CONNECTOR ASSY,DY(NC-96A) |
| P13 | 387-G03H | CONNECTOR ASSY,3P(450) |
| P114 | 387-907K | CONNECTOR ASSY,1P MXH8610 600MM |
| P620 | 6631V25014C | CONNECTOR ASSY,2.5MM 2P(L=400) |
| P623 | 6631V25014D | CONNECTOR ASSY,2.5MM 3P(L=900) |
| P804B | 387-A15A | CONNECTOR ASSY,12P(L=100) |
| **RESISTOR** | | |
| ⚠ FR304 | 180-D02C | R,RNF RND(S) EQ 2W 0.47 J |
| ⚠ FR311 | 0RF0102H609 | R,FUSIBLE 10 1/2W 5 |
| ⚠ FR410 | 180-D02E | R,RNF RND(S) CR 2W 1.0 J |
| ⚠ FR412 | 0RF0470H609 | R,FUSIBLE 0.47 1/2W 5 |
| ⚠ FR413 | 0RF0470J607 | R,FUSIBLE 0.47 1W 5% |
| ⚠ FR414 | 0RF0470J607 | R,FUSIBLE 0.47 1W 5% |
| ⚠ FR416 | 0RF0470J607 | R,FUSIBLE 0.47 1W 5% |
| ⚠ FR628 | 180-D02C | R,RNF RND(S) EQ 2W 0.47 J |
| ⚠ FR801 | 180-D02C | R,RNF RND(S) EQ 2W 0.47 J |
| ⚠ FR802 | 180-D02C | R,RNF RND(S) EQ 2W 0.47 J |
| FR901 | 180-D02E | R,RNF RND(S) CR 2W 1.0 J |
| RT62 | 0RD3900F609 | R,CARBON FILM 390 1/6W 5 |
| RT63 | 0RD0752F609 | R,CARBON FILM 75 1/6W 5 |
| RT69 | 0RD1001F609 | R,CARBON FILM 1.0K 1/6W 5 |
| RT75 | 0RS0272H609 | R,METAL FILM OXIDE 27 1/2W 5 |
| RT77 | 0RD2702F609 | R,CARBON FILM 27K 1/6W 5 |
| RT78 | 0RD2701F609 | R,CARBON FILM 2.7K 1/6W 5 |
| RT79 | 0RD1001F609 | R,CARBON FILM 1.0K 1/6W 5 |
| RT80 | 0RD0752F609 | R,CARBON FILM 75 1/6W 5 |
| RT80 | 0RD3000F609 | R,CARBON FILM 300 1/6W 5 (W/O TXT) |
| RT81 | 0RD0752F609 | R,CARBON FILM 75 1/6W 5 |
| RT81 | 0RD3000F609 | R,CARBON FILM 300 1/6W 5 (W/O TXT) |
| RT82 | 0RD0752F609 | R,CARBON FILM 75 1/6W 5 |
| RT82 | 0RD3000F609 | R,CARBON FILM 300 1/6W 5 (W/O TXT) |
| RT83 | 0RD2001F609 | R,CARBON FILM 2.0K 1/6W 5 |
| RT84 | 0RD2001F609 | R,CARBON FILM 2.0K 1/6W 5 |
| RT85 | 0RD2001F609 | R,CARBON FILM 2.0K 1/6W 5 |
| RT86 | 0RD1001F609 | R,CARBON FILM 1.0K 1/6W 5 |
| RT87 | 0RD1002F609 | R,CARBON FILM 10K 1/6W 5 |
| RT88 | 0RD3600F609 | R,CARBON FILM 360 1/6W 5 |
| RT89 | 0RD4700F609 | R,CARBON FILM 470 1/6W 5 |
| RT90 | 0RD4700F609 | R,CARBON FILM 470 1/6W 5 |
| RT91 | 0RD4700F609 | R,CARBON FILM 470 1/6W 5 |
| RT92 | 0RD1001F609 | R,CARBON FILM 1.0K 1/6W 5 |
| RT93 | 0RD1000F609 | R,CARBON FILM 100 1/6W 5 |
| RT94 | 0RD4701F609 | R,CARBON FILM 4.7K 1/6W 5 |
| RT96 | 0RD2200F609 | R,CARBON FILM 220 1/6W 5 |

| LOCA. NO | PART NO | DESCRIPTION |
|---|---|---|
| RT97 | 0RD2200F609 | R,CARBON FILM 220 1/6W 5 |
| RT98 | 0RD3301F609 | R,CARBON FILM 3.3K 1/6W 5 |
| RT99 | 0RD4700F609 | R,CARBON FILM 470 1/6W 5 |
| R11 | 0RD3300F609 | R,CARBON FILM 330 1/6W 5 |
| R111 | 0RD3900H609 | R,CARBON FILM 390 1/2W 5 |
| R112 | 0RD3900H609 | R,CARBON FILM 390 1/2W 5 |
| R113 | 0RD1501H609 | R,CARBON FILM 1.5K 1/2W 5 |
| R114 | 0RD5602F609 | R,CARBON FILM 56K 1/6W 5 |
| R115 | 0RD2201F609 | R,CARBON FILM 2.2K 1/6W 5 |
| R117 | 0RD5601F609 | R,CARBON FILM 5.6K 1/6W 5 |
| R118 | 0RD5601F609 | R,CARBON FILM 5.6K 1/6W 5 |
| R119 | 0RD5601F609 | R,CARBON FILM 5.6K 1/6W 5 |
| R12 | 0RD1001F609 | R,CARBON FILM 1.0K 1/6W 5 |
| R120 | 0RD5601F609 | R,CARBON FILM 5.6K 1/6W 5 |
| R121 | 0RD1002F609 | R,CARBON FILM 10K 1/6W 5 |
| R122 | 0RD1202F609 | R,CARBON FILM 12K 1/6W 5 |
| R123 | 0RD1802F609 | R,CARBON FILM 18K 1/6W 5 |
| R124 | 0RD7500F609 | R,CARBON FILM 750 1/6W 5 |
| R125 | 0RD7500F609 | R,CARBON FILM 750 1/6W 5 |
| R13 | 0RD4701F609 | R,CARBON FILM 4.7K 1/6W 5 |
| R14 | 0RD1000F609 | R,CARBON FILM 100 1/6W 5 |
| R15 | 0RD4701F609 | R,CARBON FILM 4.7K 1/6W 5 |
| R16 | 0RD1000F609 | R,CARBON FILM 100 1/6W 5 |
| R17 | 0RD4701F609 | R,CARBON FILM 4.7K 1/6W 5 |
| R18 | 0RD1000F609 | R,CARBON FILM 100 1/6W 5 |
| R19 | 0RD4701F609 | R,CARBON FILM 4.7K 1/6W 5 |
| R20 | 0RD1000F609 | R,CARBON FILM 100 1/6W 5 |
| R201 | 0RD4702F609 | R,CARBON FILM 47K 1/6W 5 |
| R202 | 0RD4702F609 | R,CARBON FILM 47K 1/6W 5 |
| R203 | 0RD4702F609 | R,CARBON FILM 47K 1/6W 5 |
| R204 | 0RD4702F609 | R,CARBON FILM 47K 1/6W 5 |
| R205 | 0RD4702F609 | R,CARBON FILM 47K 1/6W 5 |
| R206 | 0RD4702F609 | R,CARBON FILM 47K 1/6W 5 |
| R207 | 0RD0752F609 | R,CARBON FILM 75 1/6W 5 |
| R208 | 0RD0752F609 | R,CARBON FILM 75 1/6W 5 |
| R209 | 0RD1001F609 | R,CARBON FILM 1.0K 1/6W 5 |
| R21 | 0RD4701F609 | R,CARBON FILM 4.7K 1/6W 5 |
| R210 | 0RD4702F609 | R,CARBON FILM 47K 1/6W 5 |
| R211 | 0RD4702F609 | R,CARBON FILM 47K 1/6W 5 |
| R212 | 0RD0102F609 | R,CARBON FILM 10 1/6W 5 |
| R213 | 0RD1001F609 | R,CARBON FILM 1.0K 1/6W 5 |
| R214 | 0RD8200F609 | R,CARBON FILM 820 1/6W 5 |
| R215 | 0RD1001F609 | R,CARBON FILM 1.0K 1/6W 5 |
| R216 | 0RD1800F609 | R,CARBON FILM 180 1/6W 5 |
| R217 | 0RD2000F609 | R,CARBON FILM 200 1/6W 5 |
| R218 | 0RD1001F609 | R,CARBON FILM 1.0K 1/6W 5 |
| R219 | 0RD0752F609 | R,CARBON FILM 75 1/6W 5 |
| R22 | 0RD1000F609 | R,CARBON FILM 100 1/6W 5 |
| R220 | 0RD0102F609 | R,CARBON FILM 10 1/6W 5 |
| R221 | 0RD1601F609 | R,CARBON FILM 1.6K 1/6W 5 |
| R222 | 0RD1601F609 | R,CARBON FILM 1.6K 1/6W 5 |
| R23 | 0RD4701F609 | R,CARBON FILM 4.7K 1/6W 5 |

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| LOCA. NO | PART NO | DESCRIPTION |
|---|---|---|
| R231 | 0RD1001F609 | R,CARBON FILM 1.0K 1/6W 5 |
| R232 | 0RD1001F609 | R,CARBON FILM 1.0K 1/6W 5 |
| R233 | 0RD0752F609 | R,CARBON FILM 75 1/6W 5 |
| R234 | 0RD2203F609 | R,CARBON FILM 220K 1/6W 5 |
| R235 | 0RD2203F609 | R,CARBON FILM 220K 1/6W 5 |
| R236 | 0RD0752F609 | R,CARBON FILM 75 1/6W 5 |
| R237 | 0RD0912F609 | R,CARBON FILM 91 1/6W 5 |
| R238 | 0RD0752F609 | R,CARBON FILM 75 1/6W 5 |
| R239 | 0RD2203F609 | R,CARBON FILM 220K 1/6W 5 |
| R24 | 0RD1000F609 | R,CARBON FILM 100 1/6W 5 |
| R240 | 0RD2203F609 | R,CARBON FILM 220K 1/6W 5 |
| R241 | 0RD1001F609 | R,CARBON FILM 1.0K 1/6W 5 |
| R242 | 0RD1001F609 | R,CARBON FILM 1.0K 1/6W 5 |
| R243 | 0RD0752F609 | R,CARBON FILM 75 1/6W 5 |
| R244 | 0RD0752F609 | R,CARBON FILM 75 1/6W 5 |
| R245 | 0RD0752F609 | R,CARBON FILM 75 1/6W 5 |
| R25 | 0RD3901F609 | R,CARBON FILM 3.9K 1/6W 5 |
| R26 | 0RD4701F609 | R,CARBON FILM 4.7K 1/6W 5 |
| R261 | 0RD2203F609 | R,CARBON FILM 220K 1/6W 5 |
| R262 | 0RD0752F609 | R,CARBON FILM 75 1/6W 5 |
| R263 | 0RD2203F609 | R,CARBON FILM 220K 1/6W 5 |
| R27 | 0RD1002F609 | R,CARBON FILM 10K 1/6W 5 |
| R28 | 0RD4701F609 | R,CARBON FILM 4.7K 1/6W 5 |
| R29 | 0RD4701F609 | R,CARBON FILM 4.7K 1/6W 5 |
| R30 | 0RD1001F609 | R,CARBON FILM 1.0K 1/6W 5 |
| R302 | 0RN0101J607 | R,METAL FILM 1 1W 5% |
| R303("29") | 0RN3001F409 | R,METAL FILM 3K 1/6W 1% |
| "(25") | 0RD3301F609 | R,CARBON FILM 3.3K 1/6W 5 |
| R305 | 0RD1201H609 | R,CARBON FILM 1.2K 1/2W 5 |
| R306 | 0RD0221H609 | R,CARBON FILM 2.2 1/2W 5 |
| R307 | 0RN6202F409 | R,METAL FILM 62K 1/6W 1% |
| R309(29") | 0RS0202K607 | R,METAL FILM OXIDE 20 2W 5% |
| "(25") | 0RF0102J607 | R,FUSIBLE 10 1W 5 |
| R31 | 0RD1000F609 | R,CARBON FILM 100 1/6W 5 |
| R310 | 0RS2701J607 | R,METAL FILM OXIDE 2.70K 1W 5% |
| ⚠ R312 | 0RS2702J607 | R,METAL FILM OXIDE 27K 1W 5% |
| R313 | 0RD5101F609 | R,CARBON FILM 5.1K 1/6W 5 |
| R33 | 0RD4701F609 | R,CARBON FILM 4.7K 1/6W 5 |
| R330 | 0RD0221H609 | R,CARBON FILM 2.2 1/2W 5 |
| R331(29") | 0RS1500K607 | R,METAL FILM OXIDE 150 2W 5% |
| "(25") | 0RS1800K607 | R,METAL FILM OXIDE 180 2W 5% |
| R34 | 0RD1000F609 | R,CARBON FILM 100 1/6W 5 |
| R35 | 0RD4701F609 | R,CARBON FILM 4.7K 1/6W 5 |
| R36 | 0RD4701F609 | R,CARBON FILM 4.7K 1/6W 5 |
| R37 | 0RD4701F609 | R,CARBON FILM 4.7K 1/6W 5 |
| R38 | 0RD4701F609 | R,CARBON FILM 4.7K 1/6W 5 |
| R39 | 0RD2201F609 | R,CARBON FILM 2.2K 1/6W 5 |
| R40 | 0RD1001F609 | R,CARBON FILM 1.0K 1/6W 5 |
| R401 | 0RD4700F609 | R,CARBON FILM 470 1/6W 5 |
| R402 | 0RD1001F609 | R,CARBON FILM 1.0K 1/6W 5 |
| R403 | 0RS4701J607 | R,METAL FILM OXIDE 4.70K 1W 5% |
| R404 | 0RD1000F609 | R,CARBON FILM 100 1/6W 5 |
| R405 | 0RS6800J607 | R,METAL FILM OXIDE 680 1W 5% |
| R406 | 0RD3602F609 | R,CARBON FILM 36K 1/6W 5 |

| LOCA. NO | PART NO | DESCRIPTION |
|---|---|---|
| R407 | 0RD0332H609 | R,CARBON FILM 33 1/2W 5 |
| R408 | 0RD3602F609 | R,CARBON FILM 36K 1/6W 5 |
| R409 | 0RD2203H609 | R,CARBON FILM 220K 1/2W 5 |
| R41 | 0RD4701F609 | R,CARBON FILM 4.7K 1/6W 5 |
| R416 | 0RS8201J607 | R,METAL FILM OXIDE 8.2K 1W 5% |
| R417(29") | 0RD1202F609 | R,CARBON FILM 12K 1/6W 5 |
| "(25") | 0RD4701F609 | R,CARBON FILM 4.7K 1/6W 5 |
| R418 | 0RD4701F609 | R,CARBON FILM 4.7K 1/6W 5 |
| R419 | 0RD4701F609 | R,CARBON FILM 4.7K 1/6W 5 |
| R420 | 0RD1001H609 | R,CARBON FILM 1.0K 1/2W 5 |
| R43 | 0RD4701F609 | R,CARBON FILM 4.7K 1/6W 5 |
| ⚠ R430 | 0RS8200J607 | R,METAL FILM OXIDE 820 1W 5% |
| ⚠ R431 | 180-B01M | R,CEMENT 5W 7.5K J |
| R44 | 0RD1000F609 | R,CARBON FILM 100 1/6W 5 |
| R45 | 0RD4701F609 | R,CARBON FILM 4.7K 1/6W 5 |
| R46 | 0RD2201F609 | R,CARBON FILM 2.2K 1/6W 5 |
| R47 | 0RD1202F609 | R,CARBON FILM 100 1/6W 5 |
| R48 | 0RD2201F609 | R,CARBON FILM 2.2K 1/6W 5 |
| R49 | 0RD1000F609 | R,CARBON FILM 100 1/6W 5 |
| R50 | 0RD2201F609 | R,CARBON FILM 2.2K 1/6W 5 |
| R51 | 0RD1000F609 | R,CARBON FILM 100 1/6W 5 |
| R511 | 0RD0221H609 | R,CARBON FILM 2.2 1/2W 5 |
| R512 | 0RD0472F609 | R,CARBON FILM 47 1/6W 5 |
| R513 | 0RD1003F609 | R,CARBON FILM 100K 1/6W 5 |
| R514 | 0RD1001F609 | R,CARBON FILM 1.0K 1/6W 5 |
| R515 | 0RD1500F609 | R,CARBON FILM 150 1/6W 5 |
| R516 | 0RD2000F609 | R,CARBON FILM 200 1/6W 5 |
| R517 | 0RD8203F609 | R,CARBON FILM 820K 1/6W 5 |
| R518 | 0RD0752F609 | R,CARBON FILM 75 1/6W 5 |
| R519 | 0RD1500F609 | R,CARBON FILM 150 1/6W 5 |
| R52 | 0RD2201F609 | R,CARBON FILM 2.2K 1/6W 5 |
| R520 | 0RD3001F609 | R,CARBON FILM 3.0K 1/6W 5 |
| R521 | 0RD1000F609 | R,CARBON FILM 100 1/6W 5 |
| R523 | 0RD2202F609 | R,CARBON FILM 22K 1/6W 5 |
| R524(29") | 0RD2203F609 | R,CARBON FILM 220K 1/6W 5 |
| "(25") | 0RD3303F609 | R,CARBON FILM 330K 1/6W 5 |
| R525 | 0RD9102F609 | R,CARBON FILM 91K 1/6W 5 |
| R526 | 0RD1502F609 | R,CARBON FILM 15K 1/6W 5 |
| R527 | 0RN3902F409 | R, METAL FILM 39K 1/6W 1% |
| R528 | 0RD1201F609 | R,CARBON FILM 1.2K 1/6W 5 |
| R53 | 0RD1000F609 | R,CARBON FILM 100 1/6W 5 |
| R534 | 0RD1001F609 | R,CARBON FILM 1.0K 1/6W 5 |
| R535 | 0RD1001F609 | R,CARBON FILM 1.0K 1/6W 5 |
| R536 | 0RD1001F609 | R,CARBON FILM 1.0K 1/6W 5 |
| R537 | 0RD1001F609 | R,CARBON FILM 1.0K 1/6W 5 |
| R538 | 0RD1000F609 | R,CARBON FILM 100 1/6W 5 |
| R539 | 0RD1000F609 | R,CARBON FILM 100 1/6W 5 |
| R540 | 0RD4700F609 | R,CARBON FILM 470 1/6W 5 |
| R541 | 0RD1000F609 | R,CARBON FILM 100 1/6W 5 |
| R542 | 0RD1000F609 | R,CARBON FILM 100 1/6W 5 |
| R543 | 0RD1000F609 | R,CARBON FILM 100 1/6W 5 |
| R544 | 0RD1001F609 | R,CARBON FILM 1.0K 1/6W 5 |
| R545 | 0RD1203F609 | R,CARBON FILM 120K 1/6W 5 |
| R547 | 0RD1000F609 | R,CARBON FILM 100 1/6W 5 |

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| LOCA. NO | PART NO | DESCRIPTION |
|---|---|---|
| R548 | 0RD3300F609 | R,CARBON FILM 330 1/6W 5 |
| R549 | 0RD1000F609 | R,CARBON FILM 100 1/6W 5 |
| R550 | 0RD1500F609 | R,CARBON FILM 150 1/6W 5 |
| R551 | 0RD1001F609 | R,CARBON FILM 1.0K 1/6W 5 |
| R552 | 0RD3900F609 | R,CARBON FILM 390 1/6W 5 |
| R556 | 0RD4702F609 | R,CARBON FILM 47K 1/6W 5 |
| R557 | 0RD4701F609 | R,CARBON FILM 4.7K 1/6W 5 |
| R558 | 0RD4701F609 | R,CARBON FILM 4.7K 1/6W 5 |
| R559 | 0RD3602F609 | R,CARBON FILM 36K 1/6W 5 |
| R56 | 0RD1002F609 | R,CARBON FILM 10K 1/6W 5 |
| R561 | 0RD1600F609 | R,CARBON FILM 160 1/6W 5 |
| R562 | 0RD4702F609 | R,CARBON FILM 47K 1/6W 5 |
| R563 | 0RD1002F609 | R,CARBON FILM 10K 1/6W 5 |
| R564 | 0RD4702F609 | R,CARBON FILM 47K 1/6W 5 |
| R565 | 0RD2201F609 | R,CARBON FILM 2.2K 1/6W 5 |
| R566 | 0RD1600F609 | R,CARBON FILM 160 1/6W 5 |
| R571 | 0RD0102F609 | R,CARBON FILM 10 1/6W 5 |
| R572 | 0RD0102F609 | R,CARBON FILM 10 1/6W 5 |
| R573 | 0RD0102F609 | R,CARBON FILM 10 1/6W 5 |
| R574 | 0RD0221H609 | R,CARBON FILM 2.2 1/2W 5 |
| R575 | 0RD3001F609 | R,CARBON FILM 3.0K 1/6W 5 |
| R576 | 0RD1002F609 | R,CARBON FILM 10K 1/6W 5 |
| R58 | 0RD1002F609 | R,CARBON FILM 10K 1/6W 5 |
| R582 | 0RD1001F609 | R,CARBON FILM 1.0K 1/6W 5 |
| R583 | 0RD1000F609 | R,CARBON FILM 100 1/6W 5 |
| R59 | 0RD1000F609 | R,CARBON FILM 100 1/6W 5 |
| R590 | 0RD1500H609 | R,CARBON FILM 150 1/2W 5 |
| R60 | 0RD8200F609 | R,CARBON FILM 820 1/6W 5 |
| R61 | 0RD4700F609 | R,CARBON FILM 470 1/6W 5 |
| R62 | 0RD4700F609 | R,CARBON FILM 470 1/6W 5 |
| R620 | 0RD1201F609 | R,CARBON FILM 1.2K 1/6W 5 |
| R621 | 0RD1201F609 | R,CARBON FILM 1.2K 1/6W 5 |
| R622 | 0RD4701F609 | R,CARBON FILM 4.7K 1/6W 5 |
| R623 | 0RS0331H609 | R,METAL FILM OXIDE 3.3 1/2W 5 |
| R626 | 0RD3302F609 | R,CARBON FILM 33K 1/6W 5 |
| R627 | 0RD3302F609 | R,CARBON FILM 33K 1/6W 5 |
| R629 | 0RS0331H609 | R,METAL FILM OXIDE 3.3 1/2W 5 |
| R63 | 0RD4700F609 | R,CARBON FILM 470 1/6W 5 |
| R65 | 0RD1002F609 | R,CARBON FILM 10K 1/6W 5 |
| R66 | 0RD4701F609 | R,CARBON FILM 4.7K 1/6W 5 |
| R67 | 0RD1000F609 | R,CARBON FILM 100 1/6W 5 |
| R68 | 0RD1500F609 | R,CARBON FILM 150 1/6W 5 |
| R69 | 0RD1001F609 | R,CARBON FILM 1.0K 1/6W 5 |
| R70 | 0RD6802F609 | R,CARBON FILM 68K 1/6W 5 |
| R71(29") | 0RD3301F609 | R,CARBON FILM 3.3K 1/6W 5 |
| "(25") | 0RD2001F609 | R,CARBON FILM 2K 1/6W 5 |
| R72(29") | 0RD3301F609 | R,CARBON FILM 3.3K 1/6W 5 |
| "(25") | 0RD2001F609 | R,CARBON FILM 2K 1/6W 5 |
| R73(29") | 0RD3301F609 | R,CARBON FILM 3.3K 1/6W 5 |
| "(25") | 0RD2001F609 | R,CARBON FILM 2K 1/6W 5 |
| R74 | 0RD1001F609 | R,CARBON FILM 1.0K 1/6W 5 |
| R78 | 0RD4702F609 | R,CARBON FILM 47K 1/6W 5 |
| R79 | 0RD1200F609 | R,CARBON FILM 120 1/6W 5 |
| R801 | 180-822M | R,RWR 15W 1.0 OHM J |

| LOCA. NO | PART NO | DESCRIPTION |
|---|---|---|
| R802 | 0RD4701F609 | R,CARBON FILM 4.7K 1/6W 5 |
| R804 | 0RD1000H609 | R,CARBON FILM 100 1/2W 5 |
| R805 | 0RS2202K607 | R,METAL FILM OXIDE 22K 2W 5% |
| R806 | 0RS2202K607 | R,METAL FILM OXIDE 22K 2W 5% |
| R807 | 180-A01D | R,RW ROUND G 2W 0.16 J |
| R808 | 0RS0202K607 | R,METAL FILM OXIDE 20 2W 5% |
| R809 | 0RN0680H609 | R,METAL FILM 0.68 1/2W 5 |
| R81 | 0RD1002F609 | R,CARBON FILM 10K 1/6W 5 |
| R810 | 0RS0332K607 | R,METAL FILM OXIDE 33 2W 5% |
| R811 | 0RD2002H609 | R,CARBON FILM 20K 1/2W 5 |
| R812 | 0RD6801H609 | R,CARBON FILM 6.8K 1/2W 5 |
| R813 | 0RD2001F609 | R,CARBON FILM 2.0K 1/6W 5 |
| R814 | 0RD1001F609 | R,CARBON FILM 1.0K 1/6W 5 |
| R815 | 0RN0680H609 | R,METAL FILM 0.68 1/2W 5 |
| R816 | 0RD1001F609 | R,CARBON FILM 1.0K 1/6W 5 |
| R819 | 180-C02L | R,CARBON COMPOSITE 0.47MOHM 1/2 W 10% |
| R820 | 0RD1001H609 | R,CARBON FILM 1.0K 1/2W 5 |
| R822 | 0RD1002F609 | R,CARBON FILM 10K 1/6W 5 |
| R823 | 0RD4702F609 | R,CARBON FILM 47K 1/6W 5 |
| R825 | 0RD1002H609 | R,CARBON FILM 10K 1/2W 5 |
| R826 | 0RS0332J607 | R,METAL FILM OXIDE 33 1W 5% |
| R827 | 0RD2001F609 | R,CARBON FILM 2.0K 1/6W 5 |
| R828 | 0RD7501F609 | R,CARBON FILM 7.5K 1/6W 5 |
| R83 | 0RD3300F609 | R,CARBON FILM 330 1/6W 5 |
| R830 | 0RD4701F609 | R,CARBON FILM 4.7K 1/6W 5 |
| R831 | 0RS3900J607 | R,METAL FILM OXIDE 390 1W 5% |
| R833 | 0RD2002H609 | R,CARBON FILM 20K 1/2W 5 |
| R837 | 0RD4701F609 | R,CARBON FILM 4.7K 1/6W 5 |
| R838 | 0RD1002F609 | R,CARBON FILM 10K 1/6W 5 |
| R84 | 0RD2002F609 | R,CARBON FILM 20K 1/6W 5 |
| ⚠ R850 | 180-C02H | RESISTOR RC 1/2W 8.2M K |
| R87 | 0RD2002F609 | R,CARBON FILM 20K 1/6W 5 |
| R901 | 0RD1000F609 | R,CARBON FILM 100 1/6W 5 |
| R902 | 0RD1201F609 | R,CARBON FILM 1.2K 1/6W 5 |
| R903 | 0RD1001F609 | R,CARBON FILM 1.0K 1/6W 5 |
| R904 | 0RD0562F609 | R,CARBON FILM 56 1/6W 5 |
| R905 | 0RD2000F609 | R,CARBON FILM 200 1/6W 5 |
| R908 | 0RD2003H609 | R,CARBON FILM 200K 1/2W 5 |
| R911 | 0RD3001F609 | R,CARBON FILM 3.0K 1/6W 5 |
| R912 | 0RD3001F609 | R,CARBON FILM 3.0K 1/6W 5 |
| R913 | 0RD3001F609 | R,CARBON FILM 3.0K 1/6W 5 |
| R92 | 0RD1800F609 | R,CARBON FILM 180 1/6W 5 |
| R921 | 0RD1000F609 | R,CARBON FILM 100 1/6W 5 |
| R922 | 0RD0102F609 | R,CARBON FILM 10 1/6W 5 |
| R923(29") | 0RD2400F609 | R,CARBON FILM 240 1/6W 5 |
| "(25") | 0RD1200F609 | R,CARBON FILM 120 1/6W 5 |
| R924(29") | 0RD2003F609 | R,CARBON FILM 200K 1/6W 5 |
| "(25") | 0RD7502F609 | R,CARBON FILM 75K 1/6W 5 |
| R925 | 0RS1001H609 | R,METAL FILM OXIDE 1.0K 1/2W 5 |
| R926 | 0RS6801L667 | R,METAL FILM OXIDE 6.8K 3W 5 |
| R927 | 0RD3300F609 | R,CARBON FILM 330 1/6W 5 |
| R928 | 0RS2200H609 | R,METAL FILM OXIDE 220 1/2W 5 |
| R941 | 0RD1000F609 | R,CARBON FILM 100 1/6W 5 |
| R942 | 0RD0102F609 | R,CARBON FILM 10 1/6W 5 |

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

| LOCA. NO | PART NO | DESCRIPTION |
|---|---|---|
| R943(29") | 0RD1500F609 | R,CARBON FILM 150 1/6W 5 |
| "(25") | 0RD1200F609 | R,CARBON FILM 120 1/6W 5 |
| R944(29") | 0RD1803F609 | R,CARBON FILM 180K 1/6W 5 |
| "(25") | 0RD9102F609 | R,CARBON FILM 91K 1/6W 5 |
| R945 | 0RS1001H609 | R,METAL FILM OXIDE 1.0K 1/2W 5 |
| R946 | 0RS6801L667 | R,METAL FILM OXIDE 6.8K 3W 5 |
| R948 | 0RS2200H609 | R,METAL FILM OXIDE 220 1/2W 5 |
| R950 | 0RD2204H609 | R,CARBON FILM 2.2M 1/2W 5 |
| R961 | 0RD1000F609 | R,CARBON FILM 100 1/6W 5 |
| R962 | 0RD0102F609 | R,CARBON FILM 10 1/6W 5 |
| R963(29") | 0RD1500F609 | R,CARBON FILM 150 1/6W 5 |
| "(25") | 0RD1200F609 | R,CARBON FILM 120 1/6W 5 |
| R964(29") | 0RD1803F609 | R,CARBON FILM 180K 1/6W 5 |
| "(25") | 0RD1003F609 | R,CARBON FILM 100K 1/6W 5 |
| R965 | 0RS1001H609 | R,METAL FILM OXIDE 1.0K 1/2W 5 |
| R966 | 0RS6801L667 | R,METAL FILM OXIDE 6.8K 3W 5 |
| R968 | 0RS2200H609 | R,METAL FILM OXIDE 220 1/2W 5 |
| **SPARK** | | |
| SG901 | 165-004A | SPARK GAP,AG20PT 152F-L3N/S-23 |
| SG921 | 165-004A | SPARK GAP,AG20PT 152F-L3N/S-23 |
| **SOCKET** | | |
| SK230 | 381-091A | SOCKET,SCART JACK 21PIN |
| SK901 | 381-226D | SOCKET,CPT PCS628-01S |
| **SWITCH** | | |
| SW11 | 140-315A | SWITCH,TACT VERT |
| SW12 | 140-315A | SWITCH,TACT VERT |
| SW13 | 140-315A | SWITCH,TACT VERT |
| SW14 | 140-315A | SWITCH,TACT VERT |
| SW15 | 140-315A | SWITCH,TACT VERT |
| SW16 | 140-315A | SWITCH,TACT VERT |
| ⚠ SW801 | 6600VM2001A | SWITCH,PUSH POWER SDDFC3 4A/128A 250V |
| **FILTER & CRYSTAL** | | |
| T514 | 166-C02D | FILTER,TRAP TPS6.0MB-TF21 |
| T516 | 166-C04C | FILTER,TRAP TPWA02B-TF21(5.5/6.5) |
| T519 | 166-C02B | FILTER,TRAP TPS4.5MB-TF21 |
| XT75 | 156-A02X | CRYSTAL,27.00000 25PPM |
| X11 | 166-E05C | RESONATOR,CST8.00MTW-TF01 |
| X511 | 156-A01V | CRYSTAL,4.433619 SER.PF 80 OHM |
| X512 | 156-A01C | CRYSTAL,3.579545 90 OHM |
| Z111 | 166-A01E | FILTER,OFWK6266K |
| Z115 | 166-F01G | FILTER,EMI,DSS306-93FZ103N 100V TA |
| **SUB(RF STEREO)BOARD-OPTION** | | |
| CS11 | 0CN1030F679 | C,TUBULA(HIGH DIELE) 0.01MF 16V M |
| CS19 | 0CE107DF618 | C,ELECTROLYTIC 100UF STD 16V M |
| CS20 | 0CE107DF618 | C,ELECTROLYTIC 100UF STD 16V M |
| CS22 | 0CE106DK618 | C,ELECTROLYTIC 10UF STD 50V M |
| CS23 | 0CE106DK618 | C,ELECTROLYTIC 10UF STD 50V M |
| CS24 | 0CE227DF618 | C,ELECTROLYTIC 220UF STD 16V M |
| CS25 | 0CE107DF618 | C,ELECTROLYTIC 100UF STD 16V M |

| LOCA. NO | PART NO | DESCRIPTION |
|---|---|---|
| CS26 | 0CE227DF618 | C,ELECTROLYTIC 220UF STD 16V M |
| CS27 | 0CE2263F618 | C,ELECTROLYTIC 22UF 16V M |
| CS28 | 0CN1030F679 | C,TUBULA(HIGH DIELE) 0.01MF 16V M |
| CS29 | 0CE106DK618 | C,ELECTROLYTIC 10UF STD 50V M |
| CS30 | 0CE106DK618 | C,ELECTROLYTIC 10UF STD 50V M |
| CS31 | 0CE106DK618 | C,ELECTROLYTIC 10UF STD 50V M |
| CS32 | 0CN1030F679 | C,TUBULA(HIGH DIELE) 0.01MF 16V M |
| CS34 | 0CN1030F679 | C,TUBULA(HIGH DIELE) 0.01MF 16V M |
| CS35 | 0CN1030F679 | C,TUBULA(HIGH DIELE) 0.01MF 16V M |
| CS36 | 0CN1030F679 | C,TUBULA(HIGH DIELE) 0.01MF 16V M |
| CS37 | 0CQ3342K439 | C,POLYESTER(MYLAR) 0.33UF S 50V J |
| CS38 | 0CQ3342K439 | C,POLYESTER(MYLAR) 0.33UF S 50V J |
| CS39 | 0CN1030F679 | C,TUBULA(HIGH DIELE) 0.01MF 16V M |
| CS40 | 0CN1030F679 | C,TUBULA(HIGH DIELE) 0.01MF 16V M |
| CS41 | 0CE106DK618 | C,ELECTROLYTIC 10UF STD 50V M |
| CS42 | 0CN1030F679 | C,TUBULA(HIGH DIELE) 0.01MF 16V M |
| CS43 | 0CN1030F679 | C,TUBULA(HIGH DIELE) 0.01MF 16V M |
| CS44 | 0CN1030F679 | C,TUBULA(HIGH DIELE) 0.01MF 16V M |
| CS45 | 0CX5600K409 | C,TUBULA(T.C) 56P 50V J |
| CS46 | 0CX5600K409 | C,TUBULA(T.C) 56P 50V J |
| CS47 | 0CN4710K519 | C,TUBULA(HIGH DIELE) 470PF 50V K |
| CS48 | 0CC0200K115 | C,CERAMIC(TEMP COMP) 2P 50V D |
| CS49 | 0CC0200K115 | C,CERAMIC(TEMP COMP) 2P 50V D |
| CS50 | 0CN3320F569 | C,TUBULA(HIGH DIELE) 3300PF 16V K |
| CS51 | 0CN3320F569 | C,TUBULA(HIGH DIELE) 3300PF 16V K |
| CS56 | 0CE227DF618 | C,ELECTROLYTIC 220UF STD 16V M |
| CS57 | 0CN1030F679 | C,TUBULA(HIGH DIELE) 0.01MF 16V M |
| CS58 | 0CX1000K409 | C,TUBULA(T.C) 10P 50V J |
| CS59 | 0CX1000K409 | C,TUBULA(T.C) 10P 50V J |
| CS60 | 0CE335DK618 | C,ELECTROLYTIC 3.3UF STD 50V M |
| CS61 | 0CN1030F679 | C,TUBULA(HIGH DIELE) 0.01MF 16V M |
| DS11 | 0DD414809ED | DIODE DS4148 |
| DS12 | 0DD414809ED | DIODE DS4148 |
| ICS11 | 0IIT341000E | IC,MSP3410D 52P,SDIP BK MULTI SOU |
| ICS12 | 0ISS754200A | IC,KA7542Z 4.2V RESET |
| ICS15 | 0IKE780800A | IC,KIA7808PI 3P(TO-220IS) 1A,8V |
| ICS16 | 0IKE780500K | IC,KIA7805PI 3P(TO-220IS) 5V,1A |
| ICS17 | 0ITF444500C | IC,TDA4445B 16P,DIP BK QPS PROCES |
| LS11 | 0LA0222K119 | INDUCTOR,22UH K |
| LS12 | 150-E08L | COIL,VAR 07S 1B 38.0MHZ |
| LS13 | 0LA0102K119 | INDUCTOR,10UH K |
| LS14 | 0LA0102K119 | INDUCTOR,10UH K |
| LS15 | 0LA0102K119 | INDUCTOR,10UH K |
| LS16 | 0LA0102K119 | INDUCTOR,10UH K |
| RS22 | 0RD0332H609 | R,CARBON FILM 33 1/2W 5 |
| RS23 | 0RD0472H609 | R,CARBON FILM 47 1/2W 5 |
| RS24 | 0RD0472H609 | R,CARBON FILM 47 1/2W 5 |
| RS27 | 0RD2200F609 | R,CARBON FILM 220 1/6W 5 |
| RS28 | 0RD1001F609 | R,CARBON FILM 1.0K 1/6W 5 |
| RS39 | 0RD1002F609 | R,CARBON FILM 10K 1/6W 5 |
| RS40 | 0RD1000F609 | R,CARBON FILM 100 1/6W 5 |
| RS41 | 0RD1000F609 | R,CARBON FILM 100 1/6W 5 |
| RS42 | 0RD1001F609 | R,CARBON FILM 1.0K 1/6W 5 |
| RS43 | 0RD1001F609 | R,CARBON FILM 1.0K 1/6W 5 |

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

| LOCA. NO | PART NO | DESCRIPTION |
|---|---|---|
| XS11 | 156-A02M | CRYSTAL,18.432000 10PF 20 OHM |
| ZS14 | 166-A01W | FILTER(CIRC),SAW OFWK9252M |
| **SUB(A/V STEREO)BOARD-OPTION** | | |
| CS11 | 0CN1030F679 | C,TUBULA(HIGH DIELE) 0.01MF 16V M |
| CS12 | 0CE107DF618 | C,ELECTROLYTIC 100UF STD 16V M |
| CS13 | 0CN1010K519 | C,TUBULA(HIGH DIELE) 100PF 50V K |
| CS14 | 0CX4700K409 | C,TUBULA(T.C) 47PF 50V J |
| CS15 | 0CN1020K519 | C,TUBULA(HIGH DIELE) 1000PF 50V K |
| CS16 | 0CN1030F679 | C,TUBULA(HIGH DIELE) 0.01MF 16V M |
| CS17 | 0CN1030F679 | C,TUBULA(HIGH DIELE) 0.01MF 16V M |
| CS18 | 0CN1030F679 | C,TUBULA(HIGH DIELE) 0.01MF 16V M |
| CS19 | 0CE477DF618 | C,ELECTROLYTIC 470UF STD 16V M |
| CS20 | 0CQ5621N509 | C,POLYESTER(MYLAR) 5600PF 100V K |
| CS21 | 0CE106DF618 | C,ELECTROLYTIC 10UF STD 16V M |
| CS22 | 0CE106DF618 | C,ELECTROLYTIC 10UF STD 16V M |
| CS23 | 0CX3300K409 | C,TUBULA(T.C) 33PF 50V J |
| CS24 | 0CX3300K409 | C,TUBULA(T.C) 33PF 50V J |
| CS25 | 0CE106DF618 | C,ELECTROLYTIC 10UF STD 16V M |
| CS27 | 0CE2263F618 | C,ELECTROLYTIC 22UF 16V M |
| CS28 | 0CN1030F679 | C,TUBULA(HIGH DIELE) 0.01MF 16V M |
| CS29 | 0CQ5621N509 | C,POLYESTER(MYLAR) 5600PF 100V K |
| CS30 | 0CQ3331N509 | C,POLYESTER(MYLAR) 0.033U 100V K |
| CS31 | 0CQ1531N509 | C,POLYESTER(MYLAR) 0.015MF 100V K |
| CS32 | 0CQ1531N509 | C,POLYESTER(MYLAR) 0.015MF 100V K |
| CS34 | 0CQ4742K439 | C,POLYESTER(MYLAR) 0.47UF S 50V J |
| CS35 | 0CQ4742K439 | C,POLYESTER(MYLAR) 0.47UF S 50V J |
| CS36 | 0CQ3331N509 | C,POLYESTER(MYLAR) 0.033U 100V K |
| CS45 | 0CN1030F679 | C,TUBULA(HIGH DIELE) 0.01MF 16V M |
| DS11 | 0DD859009AA | DIODE SILICON MA859 TAPING |
| DS12 | 0DD414809ED | DIODE DS4148 |
| DS13 | 0DD859009AA | DIODE SILICON MA859 TAPING |
| FS13 | 166-B02D | FILTER B.P FILTER SFSH6.0MCB-TF21 |
| FS14 | 166-B02E | FILTER B.P FILTER SFSH6.5MCB-TF21 |
| FS15 | 166-B02C | FILTER B.P FILTER SFSH5.5MCB-TF21 |
| FS17 | 166-B02A | FILTER B.P FILTER SFSH4.5MCB-TF21 |
| ICS11 | 0IPH842500A | IC,TDA8425 SOUND CONTROL |
| ICS17 | 0ITF444500C | IC,TDA4445B 16P,DIP BK QPS PROCES |
| LS11 | 0LA0222K119 | INDUCTOR, 22UH K |
| LS12 | 150-E08L | COIL,VAR 07S 1B 38.0MHZ |
| LS2 | 0LA0152K119 | INDUCTOR,15UH K |
| LS20 | 0LA0152K119 | INDUCTOR,15UH K |
| LS21 | 0LA0122K119 | INDUCTOR,12UH K |
| QS11 | 0TR319809AA | TR,KTC3198-TP-Y (KTC1815)KEC |
| QS12 | 0TR319809AA | TR,KTC3198-TP-Y (KTC1815)KEC |
| QS13 | 0TR319809AA | TR,KTC3198-TP-Y (KTC1815)KEC |
| RS11 | 0RD1500F609 | R,CARBON FILM 150 1/6W 5 |
| RS12 | 0RD0332F609 | R,CARBON FILM 33 1/6W 5 |
| RS13 | 0RD1501F609 | R,CARBON FILM 1.5K 1/6W 5 |
| RS14 | 0RD9101F609 | R,CARBON FILM 9.1K 1/6W 5 |
| RS15 | 0RD3601F609 | R,CARBON FILM 3.6K 1/6W 5 |
| RS16 | 0RD3900F609 | R,CARBON FILM 390 1/6W 5 |

| LOCA. NO | PART NO | DESCRIPTION |
|---|---|---|
| RS17 | 0RD2701F609 | R,CARBON FILM 2.7K 1/6W 5 |
| RS18 | 0RD3301F609 | R,CARBON FILM 3.3K 1/6W 5 |
| RS19 | 0RD4700F609 | R,CARBON FILM 470 1/6W 5 |
| RS20 | 0RD2200F609 | R,CARBON FILM 220 1/6W 5 |
| RS21 | 0RD2201F609 | R,CARBON FILM 2.2K 1/6W 5 |
| RS22 | 0RD2201F609 | R,CARBON FILM 2.2K 1/6W 5 |
| RS25 | 0RD1002F609 | R,CARBON FILM 10K 1/6W 5 |
| RS26 | 0RD1002F609 | R,CARBON FILM 10K 1/6W 5 |
| RS28 | 0RD2001F609 | R,CARBON FILM 2.0K 1/6W 5 |
| RS29 | 0RD1000F609 | R,CARBON FILM 100 1/6W 5 |
| RS30 | 0RD1000F609 | R,CARBON FILM 100 1/6W 5 |
| RS31 | 0RD2201F609 | R,CARBON FILM 2.2K 1/6W 5 |
| RS32 | 0RD2201F609 | R,CARBON FILM 2.2K 1/6W 5 |
| RS34 | 0RD2001F609 | R,CARBON FILM 2.0K 1/6W 5 |
| RS35 | 0RD1002F609 | R,CARBON FILM 10K 1/6W 5 |
| RS36 | 0RD2002F609 | R,CARBON FILM 20K 1/6W 5 |
| RS37 | 0RD1501F609 | R,CARBON FILM 1.5K 1/6W 5 |
| RS38 | 0RD0102F609 | R,CARBON FILM 10 1/6W 5 |
| ZS14 | 166-A01W | FILTER(CIRC),SAW OFWK9252M |
| **MISCELLANEOUS** | | |
| D88 | 162-002B | DIODE LED ASSY (MC51A,M-8.9) |
| PA11 | 106-047B | PRE-AMP,SBX1620-72(SONY) |
| ⚠ P801 | 174-009Q | CORD,POWER(W/HOLD,HOUSING)L=300,4.0 |
| ⚠ RL801 | 141-018E | RELAY,DG12D1-0(M)-2 12V44MA |
| TH801 | 163-054A | THERMISTOR,J502P53D140M290S |
| T114 | 113-234E | TUNER,TUGG9-D07P LGEC PAL |
| ZNR801 | 164-003D | VARISTOR,SVC 561D-14A |
| **ACCESSORIES** | | |
| A1 | 3828VA0122A | MANUAL,OWNERS ENG |
| A1 | 3828VA0122B | MANUAL,OWNERS KOAX |
| A1 | 3828VA0122C | MANUAL,OWNERS ENG/FRC |
| A1 | 3828VA0122D | MANUAL,OWNERS NAGI |
| A1 | 3828VA0122E | MANUAL,OWNERS LGEAP |
| A2 | 6710V00007D | REMOTE CONTROLLER ASSY |
| " | 6710V00007U | REMOTE CONTROLLER W/O TXT,W/EYE,LG |
| " | 6710V00020B | REMOTE CONTROLLER W/O TXT,W/EYE,GS |